

3789

**Adams, Karen K NAE**

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**From:** Mort Terry [captmort@comcast.net]  
**Sent:** Monday, February 21, 2005 2:11 PM  
**To:** Adams, Karen K NAE  
**Subject:** Nantucket Sound

I am writing you to express my opposition to the industrialisation of Nantucket Sound. Since when is a power plant referred to as a "farm"?

THIS PROPOSED PROJECT IS NOT IN THE BEST INTEREST OF CAPE COD.

Cape Cod is dependent on tourism & fishing. This project would put both traditional resources at risk.

There is no doubt that this power plant will cause significant visual and light pollution, and there is a good chance of oil spills occurring during construction, and later a risk of pollution during operation of the facility.

Add to all these factors the negative impact this project will have on fishing and navigation and it is easy to conclude that this proposed project should be a non-starter.

Nantucket Sound is a public resource, and a public asset, and is no place for a power plant.

As a Cape Codder, a citizen of Harwich, a taxpayer, a charter fisherman, and an environmentalist, I express my opposition to this "wind farm" proposal.

Sincerely, Captain Mort Terry

2/22/2005

**Adams, Karen K NAE**

**From:** Chris Hardy [chardy@massaudubon.org]  
**Sent:** Tuesday, February 22, 2005 2:33 PM  
**To:** 'Jack Clarke'; 'Jim Gordon (E-mail)'; Adams, Karen K NAE; 'Allison Kern (E-mail)'; 'Banks Poor (E-mail)'; 'Bob Prescott (E-mail)'; 'Bob Wilber (E-mail)'; 'Donald Buiwit (E-mail)'; 'Ellen Jedrey (E-mail)'; 'Ernie Steinauer (E-mail)'; 'Gary Clayton (E-mail)'; 'Giancarlo Sardoti (E-mail)'; 'Gina Purtell (E-mail)'; 'Gus Ben David (E-mail)'; 'Heidi Ricci (E-mail)'; 'Joe Choiniere (E-mail)'; 'Kathryn Leahy (E-mail)'; 'Kathy Sferra (E-mail)'; 'Kristin Barr (E-mail)'; 'Laura Johnson (E-mail)'; 'Laurie Bennett (E-mail)'; 'Liz Page (E-mail)'; 'Lou Wagner (E-mail)'; 'Louise Grindrod (E-mail)'; 'Robert Buchsbaum (E-mail)'; 'Sally Sharp Lehman (E-mail)'; 'Sharon Wason (E-mail)'; 'Simon Perkins (E-mail)'; 'Steve Solomon (E-mail)'; 'Susannah J. Caffry (E-mail)'; 'Taber Allison (E-mail)'; 'Tom Rawinski (E-mail)'; 'Woody Mills (E-mail)'  
**Subject:** Alliance for Nantucket Sound Endorsed by Waterkeeper Alliance

## INTERNATIONAL ENVIRONMENTAL GROUP TAPS ALLIANCE AS STEWARD FOR NANTUCKET SOUND (2-14-05)

Save Our Sound  
 Alliance to Protect Nantucket Sound

Contact: Ernie Corrigan, 617-875-1229  
 Sue Nickerson, 508-648-7136

February 14, 2005

INTERNATIONAL ENVIRONMENTAL GROUP TAPS ALLIANCE AS STEWARD FOR NANTUCKET SOUND  
Alliance Endorsed by "Waterkeepers" as "Soundkeeper"

HYANNIS, MA - Assuring its long-term goal of becoming a permanent steward for the protection of Nantucket Sound, the Alliance to Protect Nantucket Sound has been officially designated by the internationally acclaimed Waterkeeper Alliance as the "Soundkeeper" for Nantucket Sound.

Initiated in 1983 when commercial fisherman launched a highly publicized campaign to save the Hudson River from industrial waste and pollution, the Waterkeeper model has grown under the leadership of Robert F. Kennedy, Jr. to include 125 similar campaigns across the U.S. and in Canada, Australia, and Latin America designated to protect specific, vital waterways.

"Nantucket Sound is one the best known waterways among the 125 areas that are now under the careful watch of our Waterkeepers," said Kennedy. "But its fame is not going to be enough to protect it. The Alliance to Protect Nantucket Sound has committed its organization to be a fulltime advocate for the protection of Nantucket Sound and we will do everything in our power to back up that commitment with real action."

Susan Nickerson, executive director of the Alliance to Protect Nantucket Sound and a career environmental activist on Cape Cod, said the designation is a significant step forward in advocating for the protection of Nantucket Sound. "Nantucket Sound is a critically important resource for our region and our country, but it is largely unprotected, in part because of the fragmented jurisdiction between state and federal waters" said Nickerson, who joined the Alliance to Protect Nantucket Sound more than 18 months ago to help develop a long-term environmental protection strategy for Nantucket Sound.

"Our focal issue today is the unprecedented development threatened by the Cape Wind project," she said. "But there are other forms of development that could be proposed in the Sound," said Nickerson.

As the Center for Coastal Studies report issued last month noted, the Cape Wind project is "just one of many future uses that could include sand and gravel mining, oil and gas exploration, aquaculture, cable crossings, floating platforms and 'unimagined technologies.'"

Nickerson said that just as important are less dramatic impacts on the Sound such as the slow decline in water quality, piecemeal development along the coast, and loss of important pockets of open space. "We look forward to working collaboratively with local governments and environmental organizations already engaged on these matters to foster broad protections that will ensure the long term future of Nantucket Sound as a whole."

Designation by Waterkeeper Alliance as a "Soundkeeper" of Nantucket Sound empowers the Alliance to act as protector and advocate

for Nantucket Sound and its resources. The program brings to the Alliance a new level of recognition and involvement that will propel new programs aimed at the long-term protection of Nantucket Sound. Key focus areas of the Alliance Soundkeeper program will include habitat conservation, water quality protection, and prevention of inappropriate development on the waters of the Sound.

Nantucket Sound has been the subject of intense preservation efforts for over three decades, beginning in the early 1970s when the Massachusetts Legislature created a Cape and Islands State Marine Sanctuary to protect Nantucket Sound. In the 1980s, state officials nominated Nantucket Sound as a National Marine Sanctuary, but more serious threats to other offshore areas diverted attention away from Nantucket Sound. The Provincetown Center for Coastal Studies report also suggested that the area of Nantucket Sound under consideration by Cape Wind Associates could be designated a Marine Protected Area (MPA) under an existing Executive Order first issued by President Clinton and renewed by President Bush.

"Nantucket Sound is the heart and soul of Cape Cod and the Islands," said Nickerson. "We take its preservation very seriously and are honored to be able to be such an integral part of the long-term strategy for protecting this water body for future generations."

-end-

3790

17 February 2005

3791

Col. Thos. Koning  
U. S. Army Corps of Engineers  
696 Virginia Road  
Concord, MA.  
01742

RECEIVED  
FEB 22 2005  
U.S. ARMY CORPS OF ENGINEERS  
CONCORD, MA

Col. Koning —

As a longtime resident of the Upper Cape (25 years) I have serious reservations regarding Cape Wind's proposed wind farm.

I support alternative energy initiatives and would welcome a wind farm in my backyard, on federal lands at Otis A.N.G. base.

Nantucket Sound is a highly inappropriate location.

I write to add my voice to the opposition of granting access to our offshore waters.

Respectfully —

Suzanne MacDonald  
244 Old Main Road  
North Falmouth  
MA 01556.

3792

**JOHN D. SORCENELLI, JR.**

99 Capt. Samadrus Rd., Cotuit, Mass., 02635  
508-428-7931  
johnsharsorce@verizon.net

February 17, 2005

Col. Thomas Koning, U.S. Army Corps of Engineers, 696 Virginia Rd., Concord, Mass., 01742

Dear Sir:

I am a commercial rod and reel fisherman on Cape Cod, fishing out of my 17' Proline boat, named Second Chance, from April thru October for various species, including squid, tautog, scup, black sea bass, fluke, striped bass, etc., to name a few. I have over 20+ years experience doing this, and am now retired from Federal employment, supplementing my income with fishing.

In my opinion the proposed wind farm would do irreparable damage to our environment, and would do permanent damage to fishing in Nantucket Sound by altering the space as well as migratory patterns of the species that call the sound home during the season.

I do not believe that adequate background work and research have been applied to choosing the proposed site. Far greater damage would be done than proponents of the project have suggested because of the reasons mentioned above. I am not against wind harnessed energy as a viable alternative to current energy sources, but am STRONGLY against this location. I submit for suggestion the following locations as better alternatives: The vast unused open space portion of Otis AFB, Noman's Land Island SW of Martha's Vineyard, or out over the open waters between the Elizabeth Islands and Block Island, in and around the borders of WSW Buzzards Bay and E border of Rhode Island Sound.

Sincerely,

  
John D. Sorcenelli, Jr.

Cc: U. S. Army Corp of Engineers Attn: Ms. Karen Adams  
NMFS Attn: Mr. Jack Terrill  
USCG  
Mass DMF Attn: Mr. Paul Diodati

Signature

RECEIVED  
FEB 22 2005  
U.S. ARMY CORP OF ENGINEERS  
CONCORD, MASS.

3793

February 17, 2005

Colonel Thomas Koenig  
U.S. Army Corps of Engineers  
696 Virginia Road  
Concord, MA 01742

Dear Colonel Koenig,  
While having lunch with  
several friends the other afternoon,  
the topic of Nantucket Sound  
came up.

Several women were quite emotional  
and informed on the subject. They  
convinced us to be as well.

After reading the material they gave  
us and then going on line, I, too,  
feel that the "Cape Wind Draft Environmental  
Impact Statement" is incomplete.

Please work harder to find an alternative  
site. Nantucket Sound is so lovely.

Sincerely  
Mayne Holodach  
62 Temple Road  
Wellesley, MA 02482

irreplaceable treasure that attracts  
so many to our beautiful Cape  
Cod.

Respectfully yours,  
Barbara H. Cameron  
199 East Bay Rd. #9  
Osterville, MA  
02655

3794

Feb 16, 2005

Dear Colonel Koning,

I have been an homeowner in  
Hyannis and Osterville for over 40  
years.

The joy I have experienced walking  
the beaches near my home all seasons  
of the year has been a source of peace  
and tranquility. Only an occasional  
bird, but is nice off season.

Please don't let us lose this

3795

*Clark E. Diehl*  
*497 Main Street*  
*Centerville, MA. 02632*  
*508-771-5488*  
*Clarkscape@msn.com*

*February 15, 2005*

*Colonel Thomas Koning*  
*U.S. Army Corps of Engineers*  
*696 Virginia Rd.*  
*Concord, MA 01742*

RECEIVED

FEB 22 2005

10:00 AM

*Dear Colonel Koning*

*Life hands each of us many decisions that are very important to one's self or in many other cases to many other persons. Some of the decisions are both long and short range.*

*It is for this reason that I write to you today.*

*The people of our state and in particular Cape Cod are facing the possibility that their life and the lives of many generations to follow will be defaced and forever damaged by the decision of permitting a wind farm in the Nantucket Sound.*

*I have followed this proposal for years. I have heard from the founders of Cape Wind and listened to the views of the opposition.*

*Having spent many years in the public business arena, I have seen sufficient to know that alternative solutions to a problem are always*



**SUSAN ZISES GREEN, INC.**  
**475 FIFTH AVENUE**  
**NEW YORK, NEW YORK 10017**  
**212-824-1170**  
**FAX. # 212-824-1102**

3796

February 18, 2005

Col. Thomas Koning  
U.S. Army Corp of Engineers  
696 Virginia Road  
Concord, Ma. 01742

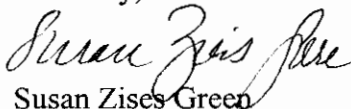
RECEIVED  
FEB 22 2005

Dear Col. Koning,

I am writing in regard to the proposed installation of windmills in the waters off Cape Cod and Nantucket.

I feel that the information provided thus far is inadequate to make a correct decision on such an important issue. Areas that need to be addressed, such as air and boat navigation safety, the impact on wildlife in the area, the impact on tourism and the general economy, as well as investigation of alternative sites, have not been done and so I ask that more research be done before a decision of this magnitude is made. Nantucket Sound is a natural treasure and should not be desecrated.

Sincerely,

  
Susan Zises Green

3797

February 16, 2005

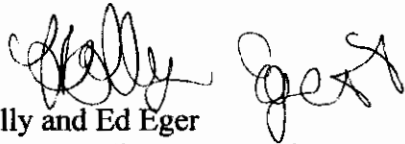
Dear Colonel Thomas Koning,

We are writing to protest the idea of building wind mills in the middle of Nantucket Sound. The damage to the environment will be immeasurable and irreversible. Cape Wind will ruin our environment and destroy habitats for thousands of birds. Nantucket Sound is an incredible treasure; we cannot stand by and let it be destroyed.

The Cape Wind Draft Environmental Impact Statement is inadequate in many areas, including air and boat navigation safety, impacts to birds and other wildlife, pollution threats from oil on the transformer substation, visual pollution and associated economic and tourism impacts, and the analysis of alternative sites.

Please do not allow Nantucket Sound to be destroyed!

Sincerely,

Handwritten signatures of Holly and Ed Eger in black ink.

Holly and Ed Eger  
William, Julia and Katharine Eger

RECEIVED

FEB 17 2005

U.S. DEPARTMENT OF THE INTERIOR

# IUE-CWA

A Force For Working Families AFL-CIO

Local 201  
Lynn, MA

3798

112 Exchange Street  
Lynn, Massachusetts 01901-1435



Tel.: 781-598-2760  
Fax: 781-595-8770  
e-mail: [www.local201iuecwa.org](http://www.local201iuecwa.org)

February 18, 2005

Ms. Karen Kirk-Adams  
Cape Wind Energy EIS Project  
U.S. Army Corps of Engineers  
New England District  
696 Virginia Road  
Concord, MA 01742

RECEIVED  
FEB 22 2005  
U.S. ARMY CORPS OF ENGINEERS  
NEW ENGLAND DISTRICT

Dear Ms. Kirk-Adams:

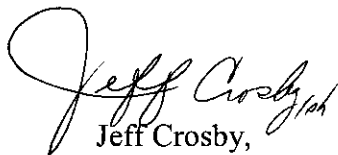
Please find enclosed a statement signed by over 1500 workers at the General Electric River Works facility in Lynn, Massachusetts.


The statement states clearly our support for the Cape Wind and wind power in general. We are eager for the renewable energy and jobs at our facility that the development of wind power can offer. And, we are anxious to lessen out dependence on foreign oil and the conflicts that that dependence brings.

Please include our voices in your consideration of this important development.

If you have any questions, feel free to contact us.

Sincerely,

  
Jeff Crosby,  
President

  
Ric Casilli,  
Business Agent

  
Alex Brown,  
Vice Pres./Rec. Secretary

Enclosure

3798

# SUPPORT THE CAPE WIND PROJECT AND WIND POWER

To The Army Corp of Engineers and Responsible Elected Officials:

As workers in the Lynn, Massachusetts River Works plant, who have machined and assembled dozens of quality products for over 100 years and are now making our first gear sets for wind turbines, we ask you to support the Cape Wind project and the development and extension of Wind Power for the following reasons:

1. Wind Power is a clean and renewable energy resource.
2. Wind Power reduces our dependence on foreign oil.
3. Wind Power supplies living wage, family-supporting jobs in Lynn and elsewhere.

We urge you to quickly resolve regulatory issues so that the Cape Wind Project and other Wind Power projects can proceed for the betterment of our environment, our communities, and our jobs.

	NAME	ADDRESS	CITY	STATE
1	Marie LeBlanc	50 Empire St	Lynn	MA
2	Steven Noel	120 Pemberton Street	Revere	MA
3	JOHN BAILEY	95 LEXINGTON ST.	LYNN	MA.
4	STEPHEN CARROLL	193 DEANSDALE TER.	SWAMPSCOTT	MA.
5	Charles LyCone	104 W. Nuptune St.	Lynn	MA.
6	David Dandur	63 Middlesex Ave	Swampscott	MA.
7	David W. Dyer	2 JUNIPER terrace	GROVELAND	MA.
8	Paul Sullivan	54 SALLIE ST	LYNN	MA
9	Mark Ryerson	18 WATSON ST	MARBLEHEAD	MA
10	James Egan	22 Broadway	Lynn	MA
11	James Dyer	30 W. Main St	Lynn	MA
12	Thomas F. Calire	8 FALLS ST	LYNN	MA
13	Alan H. Johnson	112 Denigway Rd	Lynn	MA.
14	John Pierce	73 BARNABY ST	WILMINGTON	MA
15	Michael P. Smith	694 Seamus St	Lynnfield	MA.
16	Jesus M. Magallon	15 Salem St	Lynn MA	MA
17	Wade of Ward	12 Chestnut AVE	Lynn MA	MA.
18	Wade of Ward	29 Lincoln St Lynn MA	Lynn MA	MA
19	Wade of Ward	53 Lincoln St	Lynn MA	MA.
20	John Mitchell	922 West Ave	Salem, MA.	MA.
21	KEVIN SMITH	34 BARNES AVE.	E. Boston	MA
22	J. ESSERUSA	42 HULL ST	REVERLY	MA
23	John M. Morsullo	155 FARMER ST	LYNN	MA
	Robert J. Morsullo	27 New Park St	LYNN	MA

3798

# SUPPORT THE CAPE WIND PROJECT AND WIND POWER

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	NAME	ADDRESS	CITY	STATE
1	Carol Linnell	29 TIMSON ST.	LYNN	MA
2	Anna Linnell	29 Timson St.	Lynn	MA
3	M. Linnell	27 TIMSON ST	Lynn	MA
4	ALEX MENENDEZ	7 NORTH COMMON ST.	LYNN	MA
5	Henry Linnell	29 Timson St.	Lynn	MA
6	Sida Touhy	29 Timson St.	Lynn	MA
7	Henry Linnell	29 Timson St.	Lynn	MA
8	Shirley M. Mays	4 Hyde St.	Danvers	MA
9	Joan Mitchell	27 North St.	Stonham	MA
0	Donna M. Montoya	24 Belmont St.	American	MA
1	Carol Brennan	5 Perry Dr. Danvers	Danvers	MA
2	Jackie Pearson	170 Bay St.	Pearson	MA
3	Andrew J. Marchand	57 Bath St #2 Manchester, NH	Manchester, NH	NH
4	Janet Woodward	21 Newbury Rd	Town	MA
5	Jim M. M.	10 Pierre Ave	Salem	MA
6	Susan P. P.	37 Forest St	Peabody	MA
7	Gary M. M.	13 Bell St.	Peabody	MA
8	Harry Ellis	21 Proctor St	Peabody	MA
9	Valerie J. J.	49 Cedar St	Peabody	MA
0	Chris P.	27 Pine St	Peabody	MA
1	Cynthia M. M.	28 Yampike Rd.	Peabody	MA
2	Marion M.	51 Rand St	Peabody	MA
3	Mary Thompson	25 Goodwin Ave	Peabody	MA
	Angela Pirota	8 JUDSON ST. Haverhill MA		

3798

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NAME	ADDRESS	CITY	STATE
1 HENRY GADSDEN	591 WAHAT HILL ST	MATTAPOAN	MA
2 John Pagliaro	5 Russell Rd	Saugus	MA
3 J. LEO ANSENAULT	32 Boston Rd	ANDOVER	MA
4 PAUL F. NOLAN	2 FOSTER ST	CONCORD	NH
5 Jim Baker	21 Gardiner	Lynn	MA
6 Lawrence Hayden	57 WEST CEDAR STREET	BOSTON	MA
7 Sean J. Camerford	34 South Road	Fremont	N.H.
8 Valerie Batsley	89 Gardner St Pea. MA	Peabody	MA
9 Dorothy Newman	25 Conomo Ave Lynn MA	Lynn	MA
10 Amy Phan	28 W Eagle East Boston	E-Boston	MA
11 Sang Choe	18 Robinhood Lane	Billerica	MA
12 MIKE LUCREZIA	10 NELSON Rd. PEABODY	PEABODY	MA
13 LINDA BUCKELL	26 D. FRANKLIN ST. LYNN	LYNN	MA
14 Louis E. Samuels	100 Calif Road	Auburn	NH
15 Alex	12 OAKMAN AVE	SAUGUS	MA
16 Carl Anderson	90 Loughton St	Lynn	MA
17 Scott Chambers	31 Newton Av	Lynn	MA
18 Sam Chick	Natthist St	Lynn	MA
19 Dave Esposito	6E	Lynn	MA
20 Solomon HALE	376 OCEAN AVE REVERE	REVERE	MA
21 Steve R. Chadwick	419 Chatham St.	Lynn	MA
22 Alan H. Johnson	112 DENQUANAY Rd	Lynn	MA
23 David Finkelt	212 North St	GEORGETOWN	MA
24 John Marullo	155 FARMONT Ave	Lynn	MA

# SUPPORT THE CAPE WIND PROJECT AND WIND POWER

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	NAME	ADDRESS	CITY	STATE
1	JACK MITCHELL	8 LINCOLN RD.	WOBURN	MA.
2	DONALD A. FALASIA	25 MERTON AVE	SAUGUS	MA
3	Frank Cavicchio	6 Phillips Drive	Newburyport	MA.
4	BILL ETLER-1	46 MIDDLE ST	CH. NEWBURY	MASS.
5	SOL ESKENAZI	1 SHEFFIELD DR	PEABODY	MASS
6	L TIMOTHY	80 ADAMS AVE	WILMOT	MA
7	S. Lewis	24 TALMA ST. Hyde Park	Hyde Park	Ma.
8	M. McDermott	31 WILKES ST	HAWTHILL	MA
9	Robert MITCHELL	78 LEXINGTON ST	LYNN	MA
10	LARRY CARTER	16 PERRY STREET DANVERS Ma	DANVERS	MA.
11	RICHARD P. MCHUGH	5 HILLCREST TERR	SAUGUS	MA
12	BOB BAKERS	26 LENA MASS WAY	SALISBURY	MA.
13	Richard L. Breague	84 CLAY ST	LYNN	MA
14	Donald Ross	290 MAPLE ST	LYNN	MA
15	Henry Santos			MA
16	LEO RUDAKAS	220 FAYS AVE	LYNN	MA
17	George L. Fugere		Salem	MA
18	Michael Perry	226 WINDING AVE	SWAMPSCOTT	MA.
19	Tom Shiga	135 LYNCH ST	LYNN	MA
20	Mike Patenaude	30 WILKES ST	LYNN	MA
21	PAUL H. JENKINS	1 YANKEE LANE	N. Reading	MA.
22	Roger		LYNN	MA
23	Stan Norheim	156 CENTRAL ST.	SAUGUS	MA.

3790

# SUPPORT THE CAPE WIND PROJECT AND WIND POWER

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NAME	ADDRESS	CITY	STATE
1 William E. Merrill	106 Goodridge St	Lynn	MA
2 Michael D. McEnty	42 Clement Ave.	Peabody	MA
3 Hugh A. Jamieson Jr	105 Bickford St.	Lynn	MA
4 Jay Korschner	44 1/2 Kent St	Lynn	MA
5 Don Monahan	9 Royal Crest Dr	Nashua	NH
6 Wild Bill Walsh	10 Sunrise Ave	Stoneham	MA
7 Donald G. Harp	154 Mariana Street	Lynn	MA
8 Robert E. Raiche	59 Dunbar Ave	Lynn	MA
9 Jay Robert	117 CLEVELAND ST	MELROSE MA	MA
10 Larry Veltman	46 B STREET PL	LYNN	MA
11 Mark S. Spector	15 Wilket Street	Dorchester	MA
2 Carol Alving		Lynn	MA
3 Bob Grayson	12 Sanderson ave	Lynn	MA
4 Linda Perry	110 1/2 Main St	Lynn	MA
5 Willy Penn	6 Xenia Rd Peabody	Peabody	MA
6 Luis Rodriguez	57 1/2 1st St.	Lynn	MA
7 Robert Desjardis	80 E 11th St. Danvers	Danvers.	MA
8 James E. Stanley	497 River Rd. <del>Peabody</del>	Peabody	MA
9 Daniel Perlock	19 Elizabeth St Lynn	Lynn	MA
10 Chuck Yunes	5 Appleton St Lynn	Lynn	MA
11 John Miller	776 HAMPHREY ST SWAMPSCOTT	SWAMPSCOTT	MA
12 Paul Moore	5 CHANCE RD LYNN	LYNN	MA
13 Ron MARSHALL	7 WENNEBERG RD	Middleton	MA
CONF BROWN	316 main ST	Wakefield	ma.



3798

# SUPPORT THE CAPE WIND PROJECT AND WIND POWER

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NAME	ADDRESS	CITY	STATE
1. Louis D. B...	7 KATHLEEN CIRCL	Roxbury	MA
2. Joe Burns	126 MORRIMAC ST	Newburyport	MA
3. Susan C. B...	1 PATRIOT RD	Peabody	MA
4. Paul R. B...	107 WEST WYOMING AVE	Melrose	MA
5. ...	16 ...	Lynn	MA
6. LEONARD ABRIEL	14 WALDEN ST	LYNN	MA
7. Bob S...	11 TREMONT ST	Dorchester	MA
8. Jim Cum...	25 SEA BREEZE HAVEN	Nahant	MA
9. GEORGE MIKAN	7 PINE GROVE AVE	LYNN	MA
10. ...	183 SELEM ST	Revere	MA
11. ...	58 DEARBORN AVE	LYNN	MA
12. ...	14 ORRIN WHITE DR.	Hamden	MA
13. RB W...	40 BRIMBLETON ST	LYNN	MA
14. Joseph C. White	10 MARGIN ST	Lynn	MA
15. ...	58 DEARBORN AVE	Lynn	MA
16. ...	107 VICTORY RD	Lynn	MA
17. George G...	58 COUNTY ST	PEABODY	MA
18. ...	6 CEDAR HILL DR	DANVERS	MA
19. Robert M. ...	4 PATRIOT LN. #6	GEORGETOWN	MA
20. Daryl Bennett	24 TRIPP AVE	BROCKTON	MA
21. BOB SAVORY	10 GRAVE'S PLACE	Lynn	MA
22. Frank B...	12 CAMERON ROAD	Norwood	MA
23. Ron Crompton	21 CAPTAIN RD	Lynn MA	MA
Jennis Beaupre	Shady Lane	Barrington	NH

FEB 04 2005

3790

# SUPPORT THE CAPE WIND PROJECT AND WIND POWER

To The Army Corp of Engineers and Responsible Elected Officials:

As workers in the Lynn, Massachusetts River Works plant, who have machined and assembled dozens of quality products for over 100 years and are now making our first gear sets for wind turbines, we ask you to support the Cape Wind project and the development and extension of Wind Power for the following reasons:

1. Wind Power is a clean and renewable energy resource.
2. Wind Power reduces our dependence on foreign oil.
3. Wind Power supplies living wage, family-supporting jobs in Lynn and elsewhere.

We urge you to quickly resolve regulatory issues so that the Cape Wind Project and other Wind Power projects can proceed for the betterment of our environment, our communities, and our jobs.

	NAME	ADDRESS	CITY	STATE
1	Roy Bosell	71 P. t. c. a. i. n. s. t.	Revere	MA
2	AL GARCIA	96 EMPIRE ST	Lynn	MA
3	L. ROELLE	9 GRANITE ST	Salem	MA
4	Concetta	307 GAGE Hill Rd Pelham, N. H.	Pelham	N. H.
5	Thomas B. J. R.	117 Macelle Rd. Danvers, MA 01923	Danvers	MA
6	Charles Fogarty	6 Green ST	Rockport	MA
7	Tad C. C.	27 Inventory Ct Lynnfield	Lynnfield	MA
8	J. O'Donnell	Atlantic Lynn	Lynn	MA
9	M. Ingalls	43 STURGEON ST. Woburn	Woburn	MA
10	My Herbst	12 Mildred St. Lynn	Lynn	MA
11	A. S. Morrison	455 EASTERN AVE	Lynn	MA
12	Ken Arnold	150 BAREHILL Rd	Boxford	MA
13	Darcy Kay	351 BOSTON ST	LYNN	MA
14	DIANE PEREPELITZ	14 INTERVALE RD. MAINE	MAINE	
15	Joseph Farnell	76 Childs ST Lynn	Lynn	MA
16	Philip A. Quinn	11 DIANE ST Salem	Salem	MA
17	John Malin	P.O. Box 591 East Hampstead N.H.	East Hampstead	N.H.
18	John J. Ben	22 UPHAM RD LYNN	01902	MA
19	Diana Loff	12 E. Collins St. #2 Salem	01970	MA
20	J. L. L.	14 Redington Trl.	SEABOARD	MA
21	J. C. C.	135 Farnham Rd. Salem, MA	Salem, MA	
22	PAUL MARZETTI	9 Pond St	LYNN, MA	MA
23	Bill Cimire	569 Walnut St.	LYNN, MA	MA
24	Wayne Keller	6 GRANDVIEW	DANVERS	MA

FEB 04 2000

3798

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	NAME	ADDRESS	CITY	STATE
1	Jay Sweeney	51 Sargent St	Melrose	Ma
2	James Mynar	53 Cottage St	Lynn	Ma
3	Mark Whiting	5 Danforth Ave	Audubon	MA
4	John Kane	6 Dustin St	SAUGUS	MA
5	Arthur Demerouti	4 Chase Circle	Peabody	MA
6	Victor Bellini	63 Colman Ave	Lynn	MA
7	Paul Pichon	22 WISEMAN DR	Peabody	MA
8	Tom Dorella	19 Jennifer Drive	Peabody	MA
9	Michael P. Zyl	115 Lafayette Rd	N. Hampton	MA
10	Michael Gaudin	9 Washington St	Beverly	MASS.
11	Ed Kuebler	28 Porter Lane	S. Hamilton	MA
12	Alvin Lee	76 Brackett	Quincy	MA
13	Ernest J. Capotondo	34 Woodland Rd	Georgetown	MA
14	Cheryl M. Dwyer	45 Wilson St	Medford	MA
15	Michael P. Zyl	13 Bradford Rd	Se. Hamilton	MA
16	John D. Lee	20 LINDS LANE	Salem	MA
17	John D. Lee	2 ELIZABETH Ln	Peabody	MA
18	Paul D. Lee	64 Lincoln Ave	Saugus	MA
19	Jeremy D. Lee	14 Ridgeway Street	LYNN	MA
20	Ernest T. Hay	16 Cambridge Circle	LYNN	MA
21	Rich Jackson	827 Summer St	Lynn	MA
22	MAXIMILIAN TREAS	28 SHEPARD ST LYNN	LYNN	MA
23	Randa C. K. Brown	54 Manning Rd Lynn	Lynn	MA
	Carla Eron	42 Sunrise Rd.	Dorchester	MA

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	NAME	ADDRESS	CITY	STATE
1	Michael [unclear]	21 Marlboro Rd	George Town	MD
2	Richard [unclear]	11 Kingston Ct	Merimack	NH
3	Russell Wickman	4 CONRAD TERR	SAUGUS	MASS
4	[unclear]	774 Lowell St	Peabody	MA
5	Anthony RAGUSA	11 WATER ST	Peabody	MA
6	Rich HAMO SR	87 WESTERN AVE	SAUGUS	MA
7	John Gouvalous	HARD AVE	Saugus	MA
8	Diane W. Paula	67 Tucker St	Lynn	MA
9	Edward [unclear]	75 LINDEN ST.	SALEM	MA
0	Gene Beckard	274 Maple St	Sarver	MA
1	Ermano Sinozzi	76 Summer St. Stoneham	Stoneham	MA
2	Ralph Sarno	313 ESSEX ST SALEM	SALEM	MA
3	Paula Hume	663 Boston St	Lynn	MA
4	Verne Brock	P.O. BOX 140	Lynn	MA
5	Frank Gooden	12 Barr St Salem	Salem	MA
6	Richard Kotchian	15 Reynolds Road	Peabody	MA
7	EDWARD A. DAVEY	11 KENWOOD AVE	SAUGUS	MA
8	SAM RAGUSIE	98 GGLD ST	Milton	MA
9	Jeff BROWN	Lyman St.	Peabody	MA
0	[unclear]	24 Francis Av.	Peabody	MA
1	Donna [unclear]	58 WYMAN ST	Lynn	MA
2	Danny Connor	11 Backwell Ct	Lynn	MA
3	ABE Fleury	29 SUSAN DR	SAUGUS	MA
	Donna Pinnock	1062 LAKE ST	Peabody	MA

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NAME	ADDRESS	CITY	STATE
1. Donna Webb	26 Broadway	Lynn	MA
2. Rod MacShane	7 WENNERBURY RD	Middleton	MA
3. Sharon Corbett	6 BULFINCH ROAD	LYNN	MA
4. TIM MAHONEY	38 WALDELL AV	SALMON	MA
5. LARRY COONEY	28 TRULIA ST	SEABROOK	NH
6. NICK REXINIS	136 RANGE HEIGHTS RD	LYNN	MA
7. EVELYN REXINIS	136 RANGE HEIGHTS RD	LYNN	MA
8. MICHAEL J. LANGHAM	654 SUMMER ST	LYNN	MA
9. ERIC SWANSON	267 SYNTHSHORE	LYNN	MA
10. John Brewin	17 Carlton Dr. 1	Newburyport	MA
1. MARK STEVENS	22 1/2 IRVING ST	SALEM	MA
2. William McBride	43 COOLIDGE St.	Everett	MA
3. Wai Wong	259 JAYCEE St.	Q.	MA
1. Raymond Frole	7 ELLIOTT ST	LACONIA	NH
3. Jim Wiso	28 Vines St	Quincy	MA
3. Mike Thurt	119 HOLYOKE ST	LYNN	MA
James Rinal	6 Forest Ave	LYNN	
Robert Conner	William St.	Salem	MA
Ken Darling	9 Piedmont St	Middleton	MA
Tom Worth	16 Fay St.	LYNN	MA
SUZANNE SWANSON	267 SYNTHSHORE DR	LYNN	MA
John A. Behn	20 Harvard St	Winthrop	MA
Leslie Bering	20 HARVARD ST	Winthrop	MA
Arthur Foote	319 ASBURY ST	HAMILTON	MA

Please Return to: IUE-CWA LOCAL 201 BY February 17, 2005

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	NAME	ADDRESS	CITY	STATE
1	John J. Karonis	31 Madison St.	Lynn	MA
2	Brian J. Russo	2 Brookside Drive Unit #1	Exeter	NH
3	Frank Jackson	8 Silverhurst Ave	Wilmington	MA
4	John J. Gaudin	1 Brook Rd	SALEM	N.H.
5	John L. Martineau	73 Essex St	Saugus	MA
6	Q. Saper	16 Johnstone Terr	Saugus	MA
7	A. Burke	B.E.	Burlington	MA
8	Carol Daigle	Shaw Drive	Rochester	NH
9	Donald Dean	23 Rappel Rd	Randolph	MA
10	Deborah McLauley	1 South St.	Peabody	MA
11	Wayne McLauley	1 South St.	Peabody	MA
12	Jennifer Kaufman	1 South St.	Peabody	MA
13	Robert G. Ward	10 Northrop Ter.	LYNN	MA
14	John Chang	2 A Stonehill Cir	Burlington	NH
15	Scott Webber	36 A Giles Ave	Beverly	MA
16	Robert W. Clarizio	16 Ashton St.	Beverly	MA
17	Jody Riccardi	15 Nursery St.	Salem	MA
18	John Kowalyszyn	11 Cedar Brook Rd	Lynn	MA
19	John Kenna	7 Durbin Rd	MARBLEHEAD	MA
20	Eric Gollin	Turner Rd	ALTON	NH
21	Robert J. Line	30 Sargeant's Ct.	LYNN	MA
22	Jim Magner	53 Cottage St	LYNN	MA
23	Marg R. Johnson	60 Seaside Dr. Peabody	Peabody	NH
	William K...	10 Haynes Ct.	Leominster	MA

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	NAME	ADDRESS	CITY	STATE
1	Jim Dube	7 SARGENT ST.	Beverly	MA
2	DAVE GANNON	14 Williams St.	Beverly	MA
3	STEVE LEFAVE	8 MANOR DR.	PEABODY	MA
4	PAUL FORD	12 Bonaville Terr	Lynn	MA
5	Bill Smithberger	331 HILL ST.	Leominster	MA
6	CARL E. HOLDEN JR	3 MACARTHUR CIRCLE	PEABODY	MA
7	SCOTT THORNTON	66 HEATH ST	NESTON	MA
8	James Ray Golder	36 Lincoln Ave	Weymouth	MA
9	John Casaville	59 Gulliver St.	Green	MA
0	Raymond Roberts	6 Buccard St	Salem Mass	MA
1	Jim Cheval	211 STATE ST	Beverly	MA
2	STEPHEN M. RAY	217 LINDEN ST	PEABODY	MA
3	IAN WHITZ	67 RUSKINGDALE RD	Beverly	MA
4	Leonard Lombardi	31 KING ST	GREENSBORO	MA
5	Robert Lemieux	48 E. Hill Ave	Lynn	MA
6	Robert Rivard	236 Lincoln St	Leominster	MA
7	RUSSELL JORDAN	LOWESTERN AVE	Essex	MA
8	Ted Suponoy	9 ALLEN ST	SALON	MA
9	Gail E. Ouellette	10 Pinewood Ln	Groveland	MA
0	John Cheval	211 STATE ST	Beverly	MA
1	Robert De Rosa	10 Harrison Ave	Peabody	MA
2	Bruce Allen	6 Essex Place	peabody	MA
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FEB 04 2005

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NAME	ADDRESS	CITY	STATE
1. Margaret Smith	27 Holly Ave	Lynn	Ma.
2. John J. Cyr	17 Lee Court	Lynn	MA
3. Solomon Melroy	455 BROADWAY	Somerville	MA.
4. Judith Ames	20 Pleasant AP	Salem	MA
5. Dale Waring	5 MONTCLAIR ROAD	W. NEWBURY	MA
6. John Dutton	53 PLEASANT ST	SWAMPSCOTT	MA
7. John P. Sedam	76 BROAD ST	Lynn	MA
8. Dave Suffoli	237 EUCLID AVE	LYNN	MA
9. Joseph M. Blais	15 KAREL ST	SALEM	MA
10. Kinyu Leung	50 N. Central Ave.	Quincy	MA
11. Edward F. Libby	68 Forrest St	PLAISTOW	N.H.
12. PETER CARD	67 LANSING RD	LYNN	MA
13. Jeffrey Sudak	120 Main St	Saugus	ma.
14. Viet Chi Ng	21 Lincoln St	Beverly	MA
15. Roland F. River	167 Olm Ave	Fitchburg	MA.
16. MICHAEL AMAGORI	20 NICKERSON RD	ROXBURY	MA
17. EMMANUEL BERNIER	25 STONEBRIDGEWAY E BRIDGEW	E. BRIDGEWATER	MA.
18. ANDREW R. BOULETTE	38 HITTIER ROAD	BILLERICA	MA
19. THUY KIM LUU	156 NORTH Street	Salem	MA.
20. John P. McFarlane	179 POND ST.	LEDMINSTER	MA
21. ERMA L. THOMAS	20 PARK ST.	LYNN	MA.
22. SARAH Kilbride	14 New Zealand Rd.	SEABROOK, N.H.	N.H.
23. Harold J. Bowen	32 Elmer St	LYNN	MA
Norm Hirschfeld	239 Calvary St	Waltham	ma



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	NAME	ADDRESS	CITY	STATE
1	John Harvett	AVERILL ST	LYNN	MA.
2	James J. Thomsen	541 Timson St.	LYNN	MA.
3	Michael Mouloure	139 MAIN ST.	SAUGUS	MA.
4	Edward P. Braschi	247 LEHANN ST.	MELROSE	MA.
5	Yvonne Appert	15 CHURCH ST.	METHUEN	MA.
6	John Hall	26 Maple Ave	SARASWOTT	MA.
7	James Bedford	31 WATSON HILL RD	RAYMOND	N.H.
8	Bob Allen	8 WALNUT TERR	SALEM	N.H.
9	Robert Savin	3 SUNRISE DR	LONDONDERRY	N.H.
10	Thos Sotomayor	1 BRENTWOOD AV	SALEM	MA.
11	Michael R. Tamm	14 GRIFFIN RD	PEABODY	MA.
12	Diane L. Cronin	59 CONANT AVE	LYNN	MA.
13	John Howell	69 ELWOOD AVE	LYNN	MA.
14	John R. Rhyne	9 CEDAR ST	LYNN	MA.
15	Ed. Kelly	2 EAST MAIN ST.	GLACESTER	MA.
16	Robert Baker	22 N. SHELTON RD	DANVERS	MA.
17	James Crowley	203 BAFAYETTE RD	NORTH HAMPTON, N.H.	N.H.
18	Steven F. Quinlan	35 DONLOGGIN RD.	NASHUA, N.H.	N.H.
19	Donald R. Sweet	11 BRIMFORD LANE	ESSEX	MA.
20	Carl Crouse	77 KILBY AVE	ROCKING	MA.
21	Richard M. Bauman	29 APPLEBY RD	SALEM	MA.
22	Jim T. Linn	114 GREENBRIER	DORCHESTER	MA.
23	Paul P. P.	GE	LYNN	MA.
	John P. Linn	12 BATCHELDER ST	LYNN	MA.

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	NAME	ADDRESS	CITY	STATE
1	Edward's Youniss	50 FRANKLIN ST	STONEHAM	MA
2	Timothy R. Hunt	14 CHARLES ST	PEABODY	MA
3	Richard Ballard	76 Roy ST	SALEM	MA
4	Joseph T. Bennett	13 Sewall ST	PEABODY	MA
5	Richard A. Bennett	19 Cedarhurst Ave	Salem	MA
6	Greg J. Robinson	27 DEARBORN AVE	LYNN	MA
7	Richard J. Smith	77 KILTON FOUNDED	GREENTON N.H.	N.H.
8	Tom Connor	26 Bryant St	Worcester	MA
9	John Farini	55 Webster St	Salem	MA
10	James Hughes	16 Granite Rd	Peabody	MA
11	Tom Torelli	75 LYNN ST	LYNN	MA
12	Robert J. Gaudet	48 DAY VIEW AVE.	LYNN	MA
13	Mary Ann Alvin	57 Newton Ave	LYNN	MA
14	Robert (M. L.)	31 Montic	LYNN	MA
15	Bernard Bonney	15 Astoria St.	Nattapan	MA
16	Neil Rath	36 HARRISON CIR.	ROWLEY	MA
17	Robert Eldridge	689 Lafayette Rd. 2-12	Scituate	MA
18	J. A. M. M.	796 Broad St	LYNN	MA
19	James M. McElroy	15 ANN HALL	LYNN	MA
20	Jeff M. M.	1 Station MA	PEABODY	MA
21	Chuck Florence	2 Crock Hill Rd	Salem	MA
22	Joseph J. Roche	152 LYNNWAY - LYNN	LYNN	MA
23	Joseph J. Roche	701 Boston St	LYNN	MA
24	Kevin E. Maher	8 Crock Hill Rd	Salem	MA

JAN 25 2005

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1	KENNETH E. Anderson	12 DOOLING Circle	Peabody	MA
2	Richard Kington	298 Euclid Ave	Lynn	MA
3	LEW DRESSER	44 REVERE ST.	EVERETT	MA.
4	STEVEN A. SINGER	135 WATER ST.	SAUGUS	MA.
5	JULIO ORSATELLI	8 MAILLOUX LANE	LYNN	MA.
6	JOSEPH BARLETTA	7 GILMORE ST	EVERETT	MA.
7	PAUL MCGRATH	151 SALAMONK ST	HAMILTON	MA.
8	Randall Hanson	4 Tripbrook Drive	DERRY	NH.
9	JAMES Hulecki	7 Pillsbury Rd	Ashburnham	MA.
10	Corey G. Kalis	78 Franklin St.	Peabody	MA.
11	JOHN TANSEY	66 DEARBORN AVE	LYNN	MA.
12	Ed Jones	21 Herbert Ave	Saugus	MA.
13	GARY MENICI	5 OLSEN RD.	Peabody	MA.
14	AL DRAGONETTI	1 CARBERRY DRIVE	DERRY	N.H.
15	JERRY GUTHRIE	5 GUNSTOCK DR	KINGSTON	NH.
16	ROGER FORD	353 CASS ST	LYNN	MA
17	KENNETH A. WEST	24 Boston Rock Road	MELROSE	MA
18	Rafael M. M. M.	37 NEW PARK	LYNN	MA
19	WILLIAM MOORE	15 KILDIN ST EVERETT	EVERETT	MA.
20	JOHN Z. Crowley	358 BROADWAY	LYNN MA.	MA.
21	BOB MURRAY	84 BLAKELEY ST.	LYNN	MA.
22	Bruce Landis	12 Rocky Hill Rd.	Amesbury	MA.
23	MARCO RUSSO	18 WATSON ST	Marblehead	MA.
	Stewart Blossington	28 OLD ENGLAND	LYNN	MA.

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[illegible]

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	NAME	ADDRESS	CITY	STATE
1	Pauline Landry	13 Brooks Road	Gloucester	Mass
2	Ed. J. 92	27 PICKMAN ST.	SALEM, MA	MA
3	St. E. 92	500 North Shore Rd	Feabody	MA
4	J. M. Doyle	80 Herrick St.	Beverly	MA
5	Ernie Faulkner	94 PRESTON PL	Beverly	MA
6	Robert A. Dow	443 CHESTNUT ST.	LYNN	MA.
7	William E. 92	32 BYRON ST.	Bradford	MA
8	Richard Corrigan	5 Erwin Road	No. Reading	MA
9	Stacy A. Balaban	8 Astor St.	Lynn	MA
0	Bob Cummings	23 Noble St	Malden	MA
1	John M. Karki	1 SOUV. RD	BEVERLY	MA
2	Arthur Wells	14 MCKAY ST.	Lynn	MA.
3	Richard M. 92	164 Willow Rd	Rehoboth	MA.
4	Ann Williams	54 W. Annentore Rd	Haverhill	MA
5	Thomas R. J. 92	46 OLD JACOB'S Rd	Georgetown	MA
6	Robert L. 92			
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# SUPPORT THE CAPE WIND PROJECT AND WIND POWER

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3. Wind Power supplies living wage, family-supporting jobs in Lynn and elsewhere.

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	NAME	ADDRESS	CITY	STATE
1	Jonathan Carty	P.O. Box 106	Lynn	Ma.
2	John Miller	476 HUMPHREY ST	SWAMPSCOTT	MA
3	Charles J. J. J.	107 12th 125	SPRINGFIELD	N.H.
4	Dick Spaulding	6 CEDAR ST.	DERRY	N.H.
5	James Aulb	55 Cleveland AVE	Saugus	MASS
6	William Tortolini	7 WILDERMERE PL.	LYNN	MASS
7	JERRY KEINACH	2 MEADE ST	W. PEABODY	MASS
8	KEVIN HORRIGAN	25A SAVORY ST	LYNN	MA
9	RICK TRACAGLIA	294 EUGENIA AVE	LYNN	MA
0	J. LEO ANSINAULT	32 BOSTON RD.	ANDOVER	MA
1	JOHN POTHIER	22 HOLLY AVE	LYNN	MA
2	TODD BULLER	94 JEFFERESS ST	LYNN	MA
3	Bruce PATT	168 Laurel St	Melrose	MA
4	Tim Martin	15 Great Woods Rd	SAUGUS	MA
5	Jeffrey Miller	7 LIBERTY SQUARE	LYNN	MA
6	Hon. J. J. J.	9 BISTAR RD	PEABODY	MA
7	W. J. J.	106 LAUREN AVE	LYNN	MA
8	Norman Blanchard	25 Prince St	Marblehead	Ma
9	Ronald Conner	13 MARGARET W	Newburyport	MA
0	James DiBlasio	2 MAYFLOWER LANE	GLOUCESTER	MA
1	Frederick H. J. J.	32 ISLAND PARK RD.	ATKINSON	NH

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	NAME	ADDRESS	CITY	STATE
1	Kern Shanahan	207 CASTLE RD	NAHANT	MA
2	Guida Huffman	90 Ontario St.	Lynn	MA
3	Jack Mills	20 DALE ST	PEABODY	MA.
4	Sam McFee	193 Bartholomew St.	PEABODY	MA
5	Peter Perry	39 Storewood Lane	Lynn	MA
6	Adam O'Neill	346 Nashua Rd	Billerica	MA
7	Ernie St	16 ROCK AVE	Lynn	MA
8	Abigail Diggins	25 Fairmount Ave	Braintree	MA
9	Abraham E. Chandler	130 NEPTUNE BLVD.	LYNN	MA
10	John P. Nematikos	47 BOSTON ST	MIDDLETON	MA
11	Dave LaFortune	90 S. Main Drive	WAKEFIELD	MA
12	Tuyen T. Tran	48 CEDAR ST	LYNN	MA
13	Stephen Edmunds	22 Dearborn AVE	LYNN	MA
14	Russell W. Clark	24 Wintthrop St.	LYNN	MA
15	Walter H. Adams	33 School St	Byfield	MA.
16	John E. Smith	45 Bridge ST	Pelham	N.H.
17	Robert Kelsed	160 NEPTUNE BLVD LYNN	LYNN	MA
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	NAME	ADDRESS	CITY	STATE
1	SOLOMON-BENNETT	5 Katina Lane	Peabody,	MASS
2	Ronald A. Demaria	47 WAITE ST	Melrose	MA
3	Karl Berg	241 Park St.	No. Reading	MA
4	JIM FADER	33 DINNA ST.	PEABODY	MA
5	PAUL DONOVAN	25 CENTENNIAL AVE	SALGUS	MA
6	Carol Bernazzani	1 Curve Ave	Peabody	MA
7	James Brady	44 OAK CREST LN	Peabody	MA
8	Genesio A. Guindales	308 EASTER AVE	Lynn	MA
9	Mark B. Parnaud	8 FAYETTE ST.	Beverly	MA
10	RALPH R. DABETT	56A Kirtland St.	Lynn, Mass	MASS
11	Joseph Mills	22 PAUL AVE	Peabody	MA
12	STEVEN A. TUCKER	495 ROYALSTON RD. PHILLIPSTON	PHILLIPSTON	MA
13	Alan Dell'Arciprete	23 Graves Ave Lynn Ma	Lynn	MA
14	Larry J. Sellers	13 Hemlock ST	EXETER N.H.	N.H.
15	William Dineen	3 Beckett St Pea	Peabody Mass	MA
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	NAME	ADDRESS	CITY	STATE
1	Phil L. Kinnear	6 BRISCELLA LANE	Fairbury	MA.
2	Gilman White	50 Orchard St	Lynn	MASS
3	WILLIAM FOREL	408 HIGHLAND AVE	SALEM	MASS
4	John R. Hatfield	9 Cokercrest Rd	LYNN	MASS
5	Cheney MA	1098 Salem St	MALDEN	MA
6	Michael J. Behr	18 BROOKLINE	LYNN	MA
7	Ken J. McFarland	31 Lodd Hill Road	LYNN	MA
8	Jim P. Tullis	497 School St	Brockton	MA
9	Bob Renick	175 WESTERN AVE	LYNN	MA
10	N. Tullis	20 WILSON ST	LYNN	MA
11	James R. Keck Jr	150 Essex St.	LYNN	MA.
12	Earl Chase	31 Crown Point Rd	Rockingham	NH.
13	Daniel J. Smith	41 MAPLE RIDGE RD	SEABROOK	NH
14	David G. Lyle	40 LAUSING RD	LYNN	MA
15	Mary McSpade	84 WESTERN AVE	LYNN	MA
16	Denise Francis	66 WILLIAMS AVE	LYNN	MA
17	George E. Bayless	40 New York St	LYNN	MA
18	Milton M. Bloodin	60 Elm St	LYNN	MA
19	R. Mostafa	100 MARSHALL AVE	LYNN	MA
20	John J. Specker	32 Curran Rd	Lynn	MA
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	NAME	ADDRESS	CITY	STATE
1	DANNY HARSHMAN	30 TIMSON ST	LYNN	MASS
2	BILL GARRIGAN	57 MOWSON ST	LYNN	MA
3	FREDERICK THOMPSON	90 PARK ST	LYNN	MA
4	Rick Irving	8 LAVERNE RD	PEABODY	MASS
5	Ernest SALKIUS	75 LIGHT	LYNN	MASS.
6	MANTON HALSTEAD	118 FLINT ST	LYNN	MA
7	Edgar Witherspoon	52 CENTAL ST	IPSWICH	MASS
8	JIM LAWTON	63 CENTAL ST	SAUGUS	MA
9	PAULA MANOS	10 CLEMENT AVE	PEABODY	MA
10	Kelly Condon	118 Gardiner St	LYNN	MA
11	DENISE CROSSLEY	31 TUCKER ST	LYNN	MA.
12	MIKE RILEY	509 HUMPHREY ST	SWAMPSCOTT	MA
13	Donnell Howard	14 DENVER ST	SAUGUS	MA
14	THOMAS MARKER	60 LAKE DR	WESTMINSTER	MASS
15	William T. T. T.	51 HIGH ROCK ST	LYNN	MA
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## SUPPORT THE CAPE WIND PROJECT AND WIND POWER

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	NAME	ADDRESS	CITY	STATE
1	Kenneth C. Foulke	261 LYNN ST.	PEABODY	MA.
2	Harry E. Ellis	31 TOLL RD	Salisbury	MA.
3	THOMAS SAUVIGNAN	18 SUNDERS ROAD	LYNN	MA
4	James R. McLaughlin	29 TRICKETT RD	LYNNFIELD	MA
5	William F. Paul	34 MAIN ST	Saugus	MA.
6	John J. Paul	29 Joy Rd	Peabody	MA
7	William S. Booth	52 HILLSIDE AVE	BEVERLY	MA
8	Jeffrey L. Steadman	49 WESTERN AVE	LYNN	MA
9	Paul J. Litre	13 Keys Dr	Peabody	MA
10	Donald W. P. Tinsley	87 HARRISON AVE	LYNN	MA.
11	John J. Paul	10 APPLE ROAD	Beverly	MA.
12	Jeff Trannis	113 BURLING ST	MARLOW	MA
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	NAME	ADDRESS	CITY	STATE
1	Dominic DeJoy	32 Eutaw Ave	LYNN	MA
2	GARY NOWLAN	21 N. WARREN	WOBURN	MA
3	KIRK L DOUGLASS	3 THURMAN ST.	EVERETT	MA
4	John J. Phelan	35 Walter St.	Lynn	MA
5	Joseph F. Brown	40 Broad St	Revere	MA
6	Wm. J. Hall	24 Nutter Rd	No. Reading	MA
7	Bob Berry	110 Robinson St.	LYNN	MA
8	DAVE McRAVEN	6 EDELME ST	WOBURN	MA
9	Christian Rucaro	Christian Rucaro	DORCHESTER	
10	William M. Roy	Wallace R. Roy	MINGTON	NH.
11	JAMES SSARS	98	SALEM	NH
12	JOHN DOVINE	John D.	LYNN	MA
13	PAUL MORSE	11 CENTRAL ST.	NANTUCKET	MA
14	J. Marlin	80 Chase Ln	Lynn	MA
15	Thomas M. Gault	395 JEFFERSON AVE	SALEM	NH
16	Frank Galt	123 Revere Beach Blvd	REVERE	MA
17	Gary Danner	81 Millard Ave	LYNN	MA
18	JOHN WANDRON	93 SIGOURNEY ST	REVERE	MA
19	J.A. Sytela	94 POTATO HILL RD	WESTMINSTER	MA
20	Rick LeBlanc	182 Liberty St	Middleton	MA
21	LEO M. BRADGOWN	134 FOREST ST.	MIDDLETON	MA
22	Joseph Dagasto	55 Hata Dr	Lowell, Mass	NH
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	NAME	ADDRESS	CITY	STATE
1	Phil Zarba	20 Lyman St	Lynn	MA
2	Paula Stugrue	30 Gwendolyn St	Lynn	MA
3	ROBERT MADDEN	4 CARDINAL ROAD	KINGSTON	NH
4	Samuel Hebrew	23 Greenville St. 2nd	Roxbury	MA
5	Edward Spinnelli	43 Birch St.	Lynn	MA
6	ANNE NAPPI	19 RICHARDSON CIRCLE	SAUGUS	MA
7	Tom Blane	23 ELWIN ST	SWAMPSCOTT	MA
8	Richard Dow	10 RADDIN GROVE AVE	LYNN	MA
9	Kim Surles	27 Hunters ST	Salem	MA
0	Wendy Taylor	6 WARREN PL	Boston	MA
1	Ken Sullivan	42 Buffum St	Salem	MASS.
2	Theresa T. Tran	48 CEDAR ST.	LYNN	MA
3	John Byrd	20 HOWARD ST	Lynn	MA
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	NAME	ADDRESS	CITY	STATE
1	Phil Fargason	410 KING ARTHUR CT.	EXETER	NH
2	Wally Trahan	28 CARMES ST.	Syril	MA.
3	Reck Graham	41 APPLE TREE LA	N. READING	MA
4	Willa T. Green	30 FAIRVIEW ST	WINTHROP	MA
5	R. J. Gaudin	122 Russell St	Peabody	MA
6	Paul E. Brunt	63 Priest Rd.	NOTTINGHAM	NH.
7	W. D. Kent	73 ESSEX ST	Saugus	MA
8	JOHN MYERS	46 MAIN ST.	No. READING	MA
9	David Melton	34 SHERRIDON CIR.	Winchester	MA
10	B. J. Wier	64 WILSON ST DOR	DOR 1111	MA
1	Frank Wier	36 APPLE ST	Lynn MA	MA
2	George A. McFadden	2 NIKO WAY	Salisbury	MA
3	Thomas J. Wier	43 Spalding St	Abington	MA
4	Paul G. Wier	25 Parkpoint Rd	Saugus	MA.
5	James D. Wier	27 Newton Ave	Lynn	MA.



## SUPPORT THE CAPE WIND PROJECT AND WIND POWER

3798

# SUPPORT THE CAPE WIND PROJECT AND WIND POWER

To The Army Corp of Engineers and Responsible Elected Officials:

As workers in the Lynn, Massachusetts River Works plant, who have machined and assembled dozens of quality products for over 100 years and are now making our first gear sets for wind turbines, we ask you to support the Cape Wind project and the development and extension of Wind Power for the following reasons:

1. Wind Power is a clean and renewable energy resource.
2. Wind Power reduces our dependence on foreign oil.
3. Wind Power supplies living wage, family-supporting jobs in Lynn and elsewhere.

We urge you to quickly resolve regulatory issues so that the Cape Wind Project and other Wind Power projects can proceed for the betterment of our environment, our communities, and our jobs.

	NAME	ADDRESS	CITY	STATE
1	WAYNE McCAUL	723 BOSTON ST.	LYNN	MA
2	LARRY GREEN	32 ISLAND POND RD.	ATKINSON	N.H.
3	DANA LEE	78 WETHERSFIELD ST.	ROWLEY	MA.
4	STEVE DEUCNEY	11 HOLLIS AVE	LYNN	MA
5	PAUL V. DEUCAU	142 PINE GROVE AVE.	LYNN	MA.
6	STEPHEN H. WEST	39 PARK ST.	MEDFORD	MA
7	JOHN W. MACKIE	24 ZION HILL RD.	SALEM <del>MA</del>	NH
8	ARM SMITH	7 WARREN ST	IPSWICH	MA.
9	FRANCIS D MORRISSET	65 WYMAN ST	LYNN	MA.
10	STEVEN W. FUREY	20 ARLINGTON ST.	LYNNFIELD	MA
11	WAYNE MARIBETS	16 OLD FOREST ST	MIDDLETON	MA
12	STEPHEN GREENBERG	15 TRENTON TER	LYNN	MA
13	KEVIN CARR	18 CHERRY ST	WENHAM	MA
14	EDDIE COLLINS	10 DONEGAN RD.	REESBURY	MA
5	J. JAMES M. GALLAGHER JR	22 WESTRAY DR	NASHUA	NH
6	JOSEPH P. HARTIGAN	18 FARM AVE	PEABODY	MA.
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	NAME	ADDRESS	CITY	STATE
1	H. GAYLOR	67 OLD Chestnut	DORRY	NH
2	David Tapley	296 Prescott	Lippin	N.H
3	Mike Hoey	23 Auburn St	Saugus	MA
4	EDWARD WITKEWICH	56 EARL ST MAIDEN	MAIDEN	MA.
5	HARLAN Tapley	307 MAIN ST	SAUGUS	MA
6	JOHN SARACENI	6 HICKORY RD, TEWKSBURY, MA	TEWKSBURY	MA
7	Frank Flitt	61 Main St	Lynnfield	MA
8	in Lynn	22 BORNILL AVE	LYNN	MA
9	Michael Ostrowski	32 Puritan Rd.	Beverly	MA.
0	Peter E. Doolittle	50 WINNEFURK AVE	LYNN	MA.
1	Joe Gaudet	165 Lincoln St	LYNN	MA
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# SUPPORT THE CAPE WIND PROJECT AND WIND POWER

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We urge you to quickly resolve regulatory issues so that the Cape Wind Project and other Wind Power projects can proceed for the betterment of our environment, our communities, and our jobs.

	NAME	ADDRESS	CITY	STATE
1	SCOTT ESTY	32 COOLIDGE RD.	DAUVERS	MASS.
2	NICH LAHUCI	353 RIVERSIDE AVE	MEADW	MASS
3	JOHN E IMPERIAL	84 ORCHARD ST	LYNN MASS	MASS
4	Jim SanTerre	10 Good Hope Lane	Salem	MASS
5	STEPHEN J. SEBEIKA	374 FELLSWAY EAST	MALDEN	MASS.
6	SCOTT REBACK	33 Rockello St	BROCKTON	MASS
7	Tom De THOMAS	156 Vinton St	MELROSE	MA
8	Adam Thomas	146 Hunter St	Ashburnham	MA
9	Paul Kennedy	54 Forest St	Saugus	ma.
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	NAME	ADDRESS	CITY	STATE
1	David Sporkman	7 Fairfield Avenue	Malden	MA
2	Diane Birkman	7 Fairfield Avenue	Malden	MA
3	William Mallett	30 Marshall St.	North Reading	MA
4	CRAIG MEAK	2147 TURNPIKE ST	N. Andover	MA
5	Beverly A. Simi	30 Sargeant's Ct	Lynn	MA
6	Robert J. Simi	30 Sargeant's Ct	Lynn	MA
7	Janet Meak	45 Edgelawn Ave. #02	N. Andover	MA
8	Sandy Finnmore	13 Burscoe Rd	Groton/MA	MA
9	Russell C. Buck Jr	16 Cottage St	Peabody	MA
10	ve Allan	22 Miller Pl	Lynn	MA
11	MIKE LUCRECIA	10 NELSON ROAD	PEABODY	MA
12	SANG CHOE	18 Robinhood Ln	Billerica	MA
13	JAMES DEE	122 Fellsmeade St.	LYNN	MA
14	HEATHER DEE	122 Fellsmeade St.	LYNN	MA
15	Jane Cposito	2 Circle-Hall Rd.	Newburyport	MA
16	Karen Kemp	102 Coventry Circle	Brockton	MA
17	Joan P. Fisher	116 Adams St	LYNN	MA
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	NAME	ADDRESS	CITY	STATE
1	Gerry LaBelle	10 MINER ST.	Georgetown	MA.
2	<del>Frank D. Frost</del>	15 CLOUGH ST	LYNN	MA.
3	Paul Galph	47 Phillips Dr	Newburyport	MA
4	D. J. J. J.	53 LAWRENCE ST	DANVERS	MA
5	Sandra P. P.	45 GREENWOOD AVE	LYNN	MA
6	Bob P.	26 Lena Mae Way	Salisbury	MA
7	JOHN WOLCZIK	115 COUNTRY SQUIRE RD	UXBRIDGE	MA
8	Joe Kozicki	70 NEPTUNE BLVD	LYNN	MA
9	Scott C. Brewer	28 GRISWOLD DRIVE	SALEM	MA
10	Karl M. M.	130 Allen Ave	LYNN	MA
11	Elizabeth G. Shockey	8 Sanborn Way	Brentwood	NH
12	Walter Bergendahl	96 PRESTON ST	LYNN	MA
13	Scott M. M.	52 McKinley ST	REVERE	MA
14	DAN P. CHAU	39 PARK ST.	LYNN	MA
15	Thomas Nelson	130 Allen Ave	LYNN	MA
16	Frank Nelson	130 Allen Ave	LYNN	MA
17	Simon H.	382 Ocean Ave	Revere	MA
18	Paul M. M.	55 Thompson Rd	LYNN	MA
19	BOB WALDRON	26A PHILOMENA AVE	REVERE	MA.
20	MICHAEL J. BECKETT	23 CENTRAL ST	ROWLEY	MA
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	NAME	ADDRESS	CITY	STATE
1	Bob Ransom	86 School St	Salem	MA
2	Richard Briggs	9 Myrtle St	Malden	MA
3	William M Dineen	3 Beckett St	Peabody	MA
4	Ken Russell	153 Grove St	Quincy	MA
5	Peter Spgridakos	6 Christopher Dr	Nahant	MA
6	Ken Shauk	207 Castle	Nahant	MA
7	Kayee Vincent	7 Whittier Dr Seabrook	Seabrook	N.H.
8	Stephen Bellamant	50 Lincoln St	Boston	MA
9	Cynthia A. Maleszyk	157 Bellevue Rd	Lynn	MASS.
10	Kevin Smith	34 Barnes Ave	East Boston	MASS.
11	Richard Landon	115 Hudson St	Lynn Mass	"
12	Jimmy J. J. J.	29 Lincoln St	Lynn MA	MASS.
13	John J. Duggan	240 Vernon St	Wakefield Mass	"
14	Joseph E. M...	28 Stanton Way	Lynn Mass	"
15	David M. J. J.	1 South St	Peabody	MASS.
16	John Brothers	16 Bradley Rd	Danvers	MA.
17	Charles J. J.	12 Union St	Malden	MA
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	NAME	ADDRESS	CITY	STATE
1	Phil Kunder	1 BARNES RD.	Salem	MA
2	Dale Topley	33 Bickford ST	Lynn	MA
3	John Belville	30 EDGEHILL RD	Lynn	MA
4	John McHale	34 THACHER ST.	MALDEN	MA
5	Edward Mooney	7 NATHANIEL DR	RAYMOND	MA
6	Lee Bequette	74 Chester <del>ST</del>	Chester	NH
7	Nap & Paul	57 SUNNY OAKS TERR.	STRAFFORD	NH
8	GLENN TAYLOR	20 W PARISH LN	MERRIMAC	MA
9	MARK EVANS	11 ALLENCLIFF DR	Amesbury	MA
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	NAME	ADDRESS	CITY	STATE
1	CARLOS A MORENO	16 KEELING ST	EVERETT	MASS
2	Nancy Berg	35 N. ALB ST	North Reading	MA
3	Roy P. Chertier, Jr.	16 HILLSIDE	IPSWICH	MA
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# SUPPORT THE CAPE WIND PROJECT AND WIND POWER

To The Army Corp of Engineers and Responsible Elected Officials:

As workers in the Lynn, Massachusetts River Works plant, who have machined and assembled dozens of quality products for over 100 years and are now making our first gear sets for wind turbines, we ask you to support the Cape Wind project and the development and extension of Wind Power for the following reasons:

1. Wind Power is a clean and renewable energy resource.
2. Wind Power reduces our dependence on foreign oil.
3. Wind Power supplies living wage, family-supporting jobs in Lynn and elsewhere.

We urge you to quickly resolve regulatory issues so that the Cape Wind Project and other Wind Power projects can proceed for the betterment of our environment, our communities, and our jobs.

	NAME	ADDRESS	CITY	STATE
1	KEVIN A. MURPHY	12 BARR RD	NEABODY	MA
2	FARAH SYED	4 Belandor Pkwy	Salem	MA
3	James Harrington	108 Winter ST	Saugus	MA
4	Bruce Wiley	9 Dana St.	Lynn	MA
5	STE. HUBBARD	P.O. Box 162	GRISLAND	MA
6	HENDERSON, MAYNARD	127 RESIDENT ST Lynn MA	LYNN MA	MA
7	Linda D. Breedy	11 Stokes Rd Lynn MA	LYNN MA	MA
8	Mike Collins Jr	16 Gilbert St	LYNN	MA
9	James J. Kelly	116 Xaverius Ave	LYNN	MA
10	James J. Kelly	116 Xaverius Ave	LYNN	MA
11	James J. Kelly	20 Royal Crest Dr	NORTH ANDOVER	MA
12	James J. Kelly	53 Wilmot St	LYNN	MA
13	JOHN BELLILEAN	10 Box 10 E. Kingston	EAST KINGSTON	MA
14	REMONS SHINNICK	20 SIGOURNEY ST	LYNN	MA
15	E J Ekstrom	21 Wilmot St	LYNN	MA
16	PAUL FURRY	4 Goodman Ct	MACHENNAIS	MA
17	ALEXANDRO PEREZ	23 FENWELL DR	SAUGUS	MA
18	BOB MCGEE	305 LYNNFIELD ST	NEABODY	MA
19	Ralph Boykin	35 Donnell St	LYNN	MA
20	Ted Comick	50 Wilmot St	WINTERTOWN	MA
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	NAME	ADDRESS	CITY	STATE
1	Dan Kane	20 Maple Grove St.	Melrose	MA
2	Mike Reidy	54 Randleff St	Quincy	MA
3	Ed Cardinale	23 North St	Weymouth	MA
4	Mike Cyr	204 Ocean Ave #2	Weymouth	MA
5	Blair Mehem	43 Central St	Burlington	MA
6	Tom Gubowik	77 CHILDS	LYNN	MA
7	Bill Flynn	1 Ipswich River Rd	Danvers	MA
8	CHARLES E. MORSE	41 DEXTER ST.	PEABODY	MA
9	Tom O'Brien	1 BERKSHIRE RD	PEABODY	MA
10	HA COMMINGS	9 HEREDITH RD	PEABODY	MA
11	Tina PARKER	19 Hobson St	METHUEN	MA
12	JOHN A. TOURILLON	54 TUMELTY RD	PEABODY	MA
13	J. W. McMillan	G.E. Bay 9	LYNN	MA
14	Jim Brainerd	G.E. Bay 8	LYNN	MA
15	MICHAEL SOTU	G.E. Bay 9	LYNN	MA
16	Joe DITHMAN	G.E. Bay 9	LYNN	MA
17	John Wyde	G.E. Bay 10	LYNN	MA
18	William Parker	G.E. Bay 10	LYNN	MA
19	HERMAN WALKER	G.E. Bay 12	LYNN	MA
20	Selvan A. BROWN	G.E. Bay 10	LYNN	MASS.
21	Rich McGinn	G.E. Bay 9 9 Shore RD	LYNN	MASS.
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	NAME	ADDRESS	CITY	STATE
1	William W Ryan	102 EDSTEN AVE	LYNN	MA
2	RICHARD L. BARBEAN	19 BEACON ST.	SALEM	MA
3	Jeffrey Phipps	44 Falls St.	Lynn	MA
4	Doug Boyle	8 Birch Lane	Topshfield	MA
5	Jim Dawney	9 D ST	NATICK	MA
6	John Sullivan	27 New Ocean Rd	Lynn	MA
7	Mike McDevlin	13 CAR AVE	PEABODY	MA
8	Brian Sauphy	15 Felton St	Saugus	MA
9	Albert Boycher	39 Wickman Dr Gardner	Gardner	MA
10	Bruce Morris	31 Winthrop Ave	Beverly	MA
11	Mike Ryan	7 Sunset Terrace	Merrimac	MA
12	Ally Lobban	93 Richardson Rd	LYNN	MA
13	Julian Lurie	278 Newbury St	Peabody	MA
14	Curtis Baptiste	22 OGDEN ST. <del>Don MA</del>	DOR	MA
15	Julie C. Sfondoni	218 High St	Ipwich	MA
16	Linda Landry	30 Hemlock St	Saugus	MA
17	Carl J. Deveau	31 BULFINCH ST.	LYNN	MA
18	Rohan 2 Day	8 Kerwood Ave	Saugus	MA
19	TERRENCE SCALLON	17 BEACH RD APT #4	LYNN	MA
20	William Blazak	40 Linden St	Salem	MA
21	Carl J. Deveau	7 Clifton Ave Beverly Ma	Beverly	MA
22	Richard Anderson	11 LINCOLN ST MERRIMAC MA	MERRIMAC	MA
23	CHUNG Y. LIU	12 COTTAGE ST.	MALDEN	MA
24	Joseph Kelleher	8 Holly Ave LYNN MA	LYNN MA	MA

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	NAME	ADDRESS	CITY	STATE
1	DANIEL I WIENER	600 GOVERNORS DRIVE	WINTHROP	MASS
2	Rich Bowden	King st	GROVELAND	MA.
3	Michael McHugh	Boston St.	Salem	MASS
4	MATTHIAS DINAN	164 Whitehall Rd.	Amesbury	MA
5	Joe Madeiros	338 Riverside Ave	Medford	MA.
6	OSMOND Anthony	71 Lewiston St Hyatt Park	Hyatt Park	MA
7	HAROLD WABING	3 COUNTY ST	Peabody	MA
8	TONY SIMONETTI	2 VETERANS RD	WINTHROP	MA
9	Fred Potter	56 DAYTON ST.	DANVERS	MA
10	ROBERT R. CALCANI	15 KITTREDGE ST.	LYNN	MA
11	PAT MCKINLEY	28 CITRUS MT LANE	ORLETON	ME
12	Paula Phipps	44 Falls St	Lynn	MA
13	Jim Fabbizio	108 Eastman Ave	Swampscott	MA
14	Peter Belliveau	4 Shepard Street	Marblehead	MA.
15	GENE BARRETT	629 TURNPIKE ROAD	ASHBY	MA
16	ELISABETH BRITTON	309 MAPLE ST LYNN	MASS LYNN	MA
17	PETER ALLOWAY JR.	2818 FOUNDERS WAY	SAUGUS	MA.
18	JOHN BENHAM	7 SAUGUS AVE.	SAUGUS	MA.
19	Robert S. Soder	26 RIDGEWAY ST	LYNN	MA
20	William J. Hanson	26 Highland St	Exeter	NH
21	Herman Walker	38 COLEMAN ST	DORCHESTER	MA
22	John Blodgett	71 GLENWOOD ST	LYNN	MA.
23	KEVIN W CLARK	30 BICKFORD ST	LYNN	MA
	Richard B Henry	8 Devereux Terr.	Marblehead	MA.

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	NAME	ADDRESS	CITY	STATE
1	STEVE Gauthier	22 BENNING ST	SALEM	N. H.
2	William F. Coetis	48 Allerton St	Lynn	MA.
3	John Fancien	17 Aberdeen Rd	Arlington	MA.
4	John Allard	12 Preston Beach Rd	Mashpee	Ma.
5	Eric E. Barrette	431 Oak Hill R. 2	Fitchburg	MA.
6	Joe Zupski	69 Sterling St.	Lynn	MA.
7	Bill Gibbs	14 Danislaw St	Woburn	MA.
8	Jim Lannon	605 Eastern Ave	Lynn	MA.
9	Robert Farrell	25 Reynolds Rd	Wakefield	MA.
10	Bernie Sweeney	103 East St	Middleton	MA.
11	DEAN JENKINS	5 Buford Rd.	Peabody	MA.
12	John Ciculis	6 Crown Way	Woburn	MA.
13	GEORGE GREENE	68 Hobson St.	Saugus	MA.
14	JAMES AMORE	23 Lowell St.	Beverly	MA.
15	William McDonough	28 Newton Ave	Lynn	MA.
16	LEONARD J. CLAYTON	26 BRYANT AV	BROCKTON	MA.
17	HENRY B. McLaughlin	259 Essex St	Beverly	MA.
18	Leonard R. Bravette	30 Forest St	Middleton	MA.
19	Art Duff	51 Rabbit Rd	Salisbury	MA.
20	Arthur J. DiLiberto	62 Juniper Dr	Saugus	MA.
21	Anderson Maynard	122 Woodmont St	Lynn MA	
22	Pete A. Quinn	2 MARIANNA ST	LYNN MA	
23	James S. Barchin	S GARDNER	LYNN MA	MA.
	JOHN HAMERSTROM	21 GRANT ROAD	SALEM	MA.

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NAME	ADDRESS	CITY	STATE
1. William Pomeroy	19 Mendon St.	Dorchester	MA
2. Edward Brown	12 Hinckley St	Danvers	MA
3. John W. Thompson	5 Hillside Ave	Swampscott	MA
4. Frank Casey	2 REED ST	LYNN	MA
5. Donald Fuller	4 Fisher Avenue	Swampscott	MA
6. Bob DiTellis	40 Shawmut St.	Weymouth	MA
7. John Marcella	7 Pilsbury St	Salem	MA
8. Allen Cunningham	9 Meredith Rd	Roslindale	MA
9. [unclear]	319 Cedarbrook Rd	Lynn	MA
10. Joseph E. [unclear]	760 Cherry St	Swampscott	MA
11. [unclear]	101 KING GEORGE DR. #8	BOXFORD	MA
12. Herbert Luthin	30 SHERBROOK PL	LYNN	MA
13. Mike Calline	26 Backeller St	Lynn	MA
14. Steven Latauskas	166 Orchard St	Byfield	MA
15. Victor B. [unclear]	202 Martine Ave	Woburn	MA
16. Donald E. Anderson	45 VICTORY ROAD	LYNN	MA
17. [unclear]	17 New Meadow Rd	Lynnfield	MA
18. Jim Buckley	50 Lakewood Rd	Lynn	MA
19. [unclear]	17 Elliott St	Malden	MA
20. [unclear]	205 Walnut St.	Lynn	MA
21. Roland Gervais	1075 MAMMETH RD	DRACUT	MA
22. [unclear]	34 Mansfield St	Lynn	MA
23. [unclear]	156 Maple St	Lynn	MA
[unclear]	10 PARADISE RD	IPSWICH	MA



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	NAME	ADDRESS	CITY	STATE
1	WILLIAM MACDONALD	24 HARRIST AVE	BURLINGTON	MASS
2	David B. Tethen	124 Hillside Rd	N. And	MASS
3	Walter Burke	10 Kenney Rd	Middleton	MA
4	SPERIDAKOS LOUIS	10 CRESCENT DR	SALEM MA	
5	Robert Manning	8 Randall Rd.	Ipswich MA	
6	DAVID PROVENZANO	56 Cogswell Ave	Beverly	MA.
7	John Coughlin	33 Beverly Vista Av.	Salem	MA
8	Mike Perazas	11 Paulg Lane	Haverhill	MA.
9	Tom Ferrarini	10 Bard St	Haverhill	MA
10	Kent Baker	354 Cabot St #3	Beverly	MA
11	JOSEPH BONDREAU	18 BARNES CIR	SALEM	MA
12	STEVEN A. FUCHS	113 Lincoln Ave. #2	Saugus	MA.
13	Mark Hanrahan	33 Pond St	Lynn	MA
14	Brent DeBerardinis	15 Hollenest Ave	NANTU	MA.
15	James A. McFadden	41 Captain Crane	TEWKSBURY	MA
16	JOHN A. STANDLEY	13 WARREN ST	BEVERLY	MA.
17	FRANK KRZYWICKI	1098 Whipple Rd	Tewksbury	MA
18	Donald Chmura	40 Congress St	LYNN	MA.
19	Jim Leger	32 Park Rd	Saugus	MA
20	KEN MARIEN	179 EAST ROAD	WESTMINSTER	MA
21	Peter Beaton	164 DEERBURY RD	LYNN	MA
22	GEORGE BEATON	194 LAFRAYETTE RD	SALEM	MA.
23	AL MARINI	100 RANGE AVE	LYNN	MA
	Reuben Meade	306 Fuller St	DORCHESTER	MA.



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	NAME	ADDRESS	CITY	STATE
1	Paul Sullivan	30 Meadow Brook	Middleton	MA
2	Melvin Lark	313 Essex St	LYNN	MA
3	John H. Higgins	198 Broadway	LYNN	MA.
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FEB 16 2005

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	NAME	ADDRESS	CITY	STATE
1	Robert Alway III	17 Willow St	Brockton	02301
2	Don DiNunzio	12 Wildwood Rd.	Leeds Mass. 01845	MA
3	Frank Murphy	34 Buck St.	Ware, MA	01906
4	Donald Glen Rauching	39 Georgetown Rd	Boxford	MA
5	D. Mollig	11 Great Wood Terr Lynn	Lynn	MA
6	G. SALAS	56 4th St	Lowell	MA
7	VM Espinosa	56 4th St	Lowell	MA
8	Anthony D. Allen	11 NEW OCEAN ST.	LYNN	MA
9	Ken Ruggell	18 Curtis St	SAUGUS	MA
10	John Ruggell	300 West St	SAUGUS	MA
11	James J. Rogers	29 Auburn Ave	Wilmington	MA
12	William Brozowski	16 Beacon Hill Ave	Lynn	MA
13	John M Therrien	31 Harwich St	SAUGUS	MA
14	Daniel LeFave	Newbury St	Peabody, MA	MA
15	Joe Morahan	13 ELIZABETH AVE.	Peabody	MA
16	Robert Falls	6 PHOENIX DR	KEOSTON	NH
17	Lusana J. Thompson	15 Pickering St.	DANVERS	MA
18	John Elliott	72 HIGH ROCK ST	LYNN MASS	MA
19	John F. Levine	P.O. Box 888 Lynn Mass 01904	Lynn Mass 01904	MA
20	John Gough	28 EMERSON PL	LYNN	MA
21	John J. Squelches	19 George St	LYNN	MA
22	John J. Smith	5 C Manor Dr.	BROVELAND	MA
23	John J. Smith	76 MARIANNA ST	LYNN	MA
24	John J. Smith	159 East Ln	Hampstead NH	NH

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	NAME	ADDRESS	CITY	STATE
1	Paul Mopelli	39 Blaine St	Malden	MA
2	Brian Dwyer	8 Fayette St.	Beverly	MA.
3	Martin D. Felt	196 Seelye St. Rd	Groveland	MA
4	GEORGE KILLEEN	14 ELLICOTT ST. NEEDHAM	NEEDHAM	MA
5	Harvey Mallett	64 Dorsa Ave	MALDEN	MA
6	WJ McCarthy	22 GROVELAND ST	LYNN	MA.
7	RICHARD MALIN	1 LESTER RD. DANVERS, MA.	DANVERS	MA.
8	Barbara McHugh	23 Washington Street	Groveland	MA
9	ANDY PUN	200 Blue Hills Pkwy	MILTON	MA
10	John Casanova	P.O. Box 737	Middle	MA
11	William Martin	66 TRAVALLBY RD	LYNN	MA
12	DAVID J SCRANTON	5 HILDA RD	LYNN	MA
13	JOHN S. KOZA	69 PERKINS ST	LYNN	MA
14	Bob Skory	47 MAPLE ST	Topfield	MA.
15	HARVEY Redlick	22 MURRAY ST	Peabody	MA
16	Mal Abernethy	52 Newton Ave	lynn	MA
17	Rox Kingston	48 Cogswell St	Lawrence	MA.
18	Jack Webster	3 SPRING CIRCLE	Peabody	MA
19	MICHAEL CORPORAN	29112 FARNHAM ST. LAWRENCE	LAWRENCE	M.A.
20	CLAUDE MORRIS	81 SIERRA RD.	Hyde pk.	MA.
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FEB 16 2005

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	NAME	ADDRESS	CITY	STATE
1	Chester S. Bowzer	54 AUTUMN ST	LYNN	MA
2	WAYNE JOHNSON	15 PEARY AV.	LYNN	MA.
3	WAYNE EVERSON	14 CAROL ANN RD.	PEABODY	MA.
4	DAVID CARLSON	21 PANDORA DR	GROVELAND	MA.
5	Maureen Phanzuf	56 Market St.	Ipswich	MA.
6	Michael J Maffeo	7 Allard St	Saugus	MA.
7	BERNARD STARKENBERG	70 HARRIS RD	LYNN	MA.
8	Caemine D. Veglia	10 Hidden pasture Rd	Kensington	NH
9	Joseph Amiraalt	13 seneca DR.	DANVERS	MA.
10	ROBERT PAGE WEBBER JR.	50 PARKLAND AVE	LYNN	MA.
11	JUAN F. GARCIA	10 BRUCE PL.	LYNN	MA.
12	GEORGE ALMEIDA	138 TREMONT ST	PEABODY	MA
13	Charles Gallyher	14 Woodman St	LYNN	MA
14	Francis Tannatt	21 Carlton	PEABODY	MA.
15	Mark L. Phillips	16 GREENLAWN AVE	SALEM	MA.
16	Wayne Lessard	17 JEFFERSON STREET	HAVERHILL	MA.
17	DANIEL J. MANSFIELD	67 COTTAGE STREET	LYNN	MA
18	D. RYAN Neville	43 SAVOY AVE	DRAUT	MA
19	ADAM R. Burnieika Jr.	50 MYTLE ST	ROCKLAND	MA
20	James Doyle	186 KINGSBURY Ave	BRADFORD	MA
21	STEVE TIRABASSI	12 PORTLAND ST	LYNN	MA
22	Anthony DiRocco	31 Burgin Hwy	Quincy	MA
23	Tom Bonin	117 HENRY AVE.	LYNN	MA.

FEB 16 2003

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	NAME	ADDRESS	CITY	STATE
1	William S. Brown	90 School St	Saugus	MA
2	Arthur P. Ricci	15 Hillside Ave.	Beverly	MA
3	Billy V. Voulakis	199 Burrill St	Scituate	MA
4	Dwight FLEWELLING	111 Shields Way	Lynn	MA
5	Alex Burke	10 Jackson St	Lynn	MA
6	Beth Contino	22 Crest Ave	Lynn	MA
7	Michael Contino	22 Crest Ave	Lynn	MA
8	Michael V. Walsh	30 Porter St	Woburn	MA
9	Joe R. Piro	23 Virginia Rd	Tyngsboro	MA
10	Frank S. Williamson	44 Eutaw Ave	Lynn	MA
11	Fred Swartz	27 Chaumont St	Lynn	MA
12	Michael J. Shoggo	30 BRADFORD RD.	LYNN	MA
13	Larry Culwell	1 Harrington Ct	Salem	MA
14	Charles Irsafaglia	53 Broadway	Lynn	MA
15	Charles J. Moore	7 B. Main Ave	Salem	MA
16	Ed Stemping	24 Crane Crossing Road	Newton H	N.H.
17	W. A. Pratt	23 Williams St	Salem, MA	MA
18	Sharon Ely	18 Westview Rd.	Lynn D	MA
19	Jim Rose	59 Dunnegan Woods	Hampton	NH
20	Dennis Johnson	12 Arthur Ave	EVERETT	MA
21	John J. Blencoe	46 GLENWOOD RD	LYNN	MA
22	Robert & Neal	8 BEVERLY COMMONS DR.	BEVERLY	MA
23	Brian Little	PO Box 2301	Orangeburg	ME
		8 Fayette St.	Beverly	MA

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# SUPPORT THE CAPE WIND PROJECT AND WIND POWER

To The Army Corp of Engineers and Responsible Elected Officials:

As workers in the Lynn, Massachusetts River Works plant, who have machined and assembled dozens of quality products for over 100 years and are now making our first gear sets for wind turbines, we ask you to support the Cape Wind project and the development and extension of Wind Power for the following reasons:

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We urge you to quickly resolve regulatory issues so that the Cape Wind Project and other Wind Power projects can proceed for the betterment of our environment, our communities, and our jobs.

	NAME	ADDRESS	CITY	STATE
1	Hing Wai Tam	17 EVERETT ST	MAIDEN	MA
2	MIGUEL MORILLO	59 DALE ST. ROSL. MA 02131	ROSLINDALE	MA
3	Bernie Donovan	22 BROADWAY Newton MA	Newton	MA
4	JAMES F. Clarke	23 BEECH LN	SEA BROOK	MA
5	Michael S. Roden	77 Nicholson ST	LYNN	MA
6	Darrell J. Connor	30 FAIRVIEW AVE	LYNN	MA
7	DENNIS SCRAWLEY	52 SOUTH ELM ST	HAVERHILL	MA
8	Herbert L Howard	150 Bellevue Rd	LYNN MA	MA
9	Robert H Sullivan	44 N Federal ST	LYNN	MA
10	Leslie Martin	1 Douglass St.	LYNN	MA
11	Robert F. Schlegel	401 Colonial Dr # 28	IPSWICH	MA
12	John E. O'Hara	459 LAFAYETTE ROAD	SEABROOK	N.H.
13	Kenneth B. Murray	32 Fellsmead St.	LYNN	MA
14	John Pedrick	13 OCEAN DR.	IPSWICH	MA
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	NAME	ADDRESS	CITY	STATE
1	TERRENCE CODY	21 CHARLES ST.	GEORGETOWN	MA
2	FRANK DOURGEY	160 BOWLER ST	LYNN	MA
3	DANA LORD	27 PORTER ST	DANVERS	MA
4	DAVID BOBBINS	717 COUNTRY WAY	SCITUATE	MA
5	JOHN MURPHY	47 CABURN ST	LYNN	MA
6	DEAN FEULT	67 TUCKER ST	LYNN	MA
7	MICHAEL KEEFFE	10 NICK LN	MAYNARD	MA
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	NAME	ADDRESS	CITY	STATE
1	GREGG Johnson	24 ROANOKE	Lynn	MA
2	DAVID Whitesell	85 AUBURN RD	Wendell Mass	NH
3	John Vassault	243 Newbury Road	Rowley	MA
4	Bill Cunniff	12 Blackstone Ave	Pelham	NH
5	K. Penn	5 Elizabeth	Lynn	MA
6	Ken C. Buns	16 Williams St.	Salem	MA
7	BENJAMIN Amara	16 Depot St	Weymouth	MA
8	ROGER MCKINNA			
9	Albert L. Heseltan	13 Elma Rd.	North Reading	MA
10	DAVID PEIRCE	6 BREWSTER AVE	CARVER	MA
11	Gert Neil Belostock	75 Lewis Rd	Swampscott	MA
12	Vincent Ameral	39 Wildwood Dr.	Fremont	NH
13	Vicki Gail	16 Whiton St.	Billerica	MA
14	Arthur Hibbs	272 Bridges L.	W. Andover	MA
15	Jan Hickman	295 Walnut St	Saugus	MA
16	Bob ARSENAULT	200 LOCUST ST	LYNN	MA
7	MIKE W. SERING	18 PROCTOR LEE	REVERE	MA
8	RON COCCO	2 GRANITE CT	PEABODY	MA
9	MARK MONTI	288 COLUMBIA ST.	CAMBRIDGE	MA
0	JOHN A BIRD II	229 A LYNNFIELD ST	LYNN	MA
1	JOHN A. BENDLETON	26 FRINGINGTON AVE	BEVERLY	MA
2	Larry Benning	8 Purchase St.	Danvers	MA
3	Edna Dilly	478 EASTER AV	LYNN	MA
	Valerie Rex	12 Avenell St	Lynn	MA



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B. Brown

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	NAME	ADDRESS	CITY	STATE
1	Robert Puring	36 Rosemary Ave	Wakefield	Ma
2	Jane Tortolano	1 Twin Brooks Rd.	Salem	Ma
3	Louis Boons	44 LEONARD CIR	Lowell	Ma
4	Robert Kunch	17 Dodge St Camb		MA
5	Michael Maffeo	13 BRADFORD ST.	DERRY	NH.
6	MIGUEL CORPORAN	7 ALLARD ST	Saugus	Ma.
7		112 FARNHAM ST.	LAWRANCE	MA
8	Tom Wilkins	2 NARRH AVE	Peabody	NH
9	Harvey Reddick	22 MURRAY ST	Peabody	MA
10	Ken Alper	69 Sprague ST	Malden	MA
11	Norris Caf	97 Lake Dr	HAMILTON	MA
12	Orion Couture	770 Cabot st	Beverly	MA
13	Bob Ellis	49 Cawley Ave	Lynn	MA
14	Dan Lyscomb	50 Orchard St	Lynn	MA
15	Mike Cocozella	2 Brentwood Ave	Salem	MA
16	David Ross	50 ALEXANDER AVE	PEABODY	MA
17	HOWARD LAUDRY	16 MICHIGAN AVE	LYNN	MA
18	William Vance	10 Pleasant Ave	Warrington	MA
19	Les Lysand	18 Box 389	Gordon Derry	N.H.
20	Sam Lysand	38 Lane 5	WARWICK	R.I.
21	Jeff Bennett	24 LAUREL ST	SAUGUS	MA
22	Richard Zblum	3 VALE RD	Wakefield	MASS
23	Jim Halliday	7 OAK AVE	PEABODY	MASS.
24	David Vozh	44 Lake Street Dr.	GROSVENOR	MA

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	NAME	ADDRESS	CITY	STATE
1	Ken Edgley	346 MAPLE ST.	DANVERS	MA
2	Leann Thompson	29 Linden Street	Lynn	MA
3	DAVID H. JOSEPH	PO BOX 53	LYNN	MA
4	RICHARD WILLIAMS	15 GRANITE RD	PEABODY	MA
5	Mark Melanson	18 B Street	LYNN	MA
6	Shawn Silke	32 ST ANAS AVE	PEABODY	MA
7	George Smith	83 BATHURST ST	PEABODY	MA
8	Stephen Mirarchi	9 Holden St	Peabody	MA
9	Philip Meaney	19 Spencer St	LYNN	MA
10	Frank Robinson	83 Whiton Ave	Quincy	MA
11	Carol Warner	184 Orchard St	Wyfield	MA
12	Lori d'Extremont	11 Haviland Ave	Lynn	MA
13	JAMES COOK	13 WINTHROP ST. CT	LYNN	MA
14	William A. Inman	81 ROCKLAND AVE	MALDEN	MA
15	Bob Horal	1 Dancer Rd.	Lynn	MA
16	Arthur Roman	20 Log Cabin Rd.	LYNN	MA
17	Al Cohen	143 Newman Int.	Riverside	MA
18	Ada Wherr	1840 Washington St	Boston	MA
19	DANIEL J. O'NEILL	287 MAPLE ST	LYNN	MA
20	TOM BURNS	5 Odyssey Way	Andover	MA
21	William Harney	40 Tinson St	Lynn	MA
22	John Kroll	25 Chapin Ave	Reading	MA
23	Warren Goodwin	25 Hawk Way	ELIOT	ME
24	Bing Chan	35 Hillside Ave	Malden	MA

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	NAME	ADDRESS	CITY	STATE
1	Justin P. Rain	Lane Road	RAYMOND	N.H.
2	George F. DiRusso	IRVING ST	EVERETT	MA.
3	W. Guillette	103 High St	CANDIA	N.H.
4	George Beach	11 JUN. PER DR	SAUGUS	MASS.
5	Carol Babson	Clifton St	Saugus	MA
6	Roger Karl	13 Jackson Ave	Peabody	MA
7	Jean Gallagher	19 GRAYBRIAR LANE	LYNN	MA
8	MIKE SMITH	P.O. BOX 927	HAMPSTEAD	N.H.
9	Symon J. Gosselin	7 MEADOW BROOK RD	LYNN	MA
0	Robert Kingston	175 King St	GROVERLAND	MA
1	Nally Myron	8 Andrews Rd.	Topsfield	MA
2	Harold B. Gahrette	12 GUY ST.	SOMERSWORTH	N.H.
3	Dennis Cully	60 W. LANE	ROCHESTER	N.H.
4	Al Jazay	43 Old Cedar Rd W	WHITMAN	MA
5	Tony Fozzies	74 Juniper Drive	Saugus	MA
6	Joe Chippola	11 James terrace	Woburn 01801	MA
7	John M. Sugi	P.O. BOX 684	Saugusville,	NH
8	Kenneth M. Falarone	1100 WESTERN AVE	LYNN	MA
9	William Mautto	22 MULBERRY Way	TEWKSURY	MA
0	Butch Cook	13 Winthrop ST CT	LYNN	MA
1	Rud J. Suro	17 WONDERLAND AVE	SAUGUS	MA
2	Robert M. Mautto	12 Juniper Lane	Groverland	N.H.
3	Mario Gatto	196 LOCUST ST	LYNN	MA
	James M. Fatic	50 Pearson St	SAUGUS	MA

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NAME	ADDRESS	CITY	STATE
1 Raymond Land	85 Brookview DR	WINDHAM	NH
2 Gordon Blissett	58 Orchard St	Lynn	MASS.
3 Mary Cannon	14 FRAZER ST. H.P.	HYDE PARK	MA
4 Tom Bryson	68 Mudge St	Lynn	MASS.
5 Fred Affray	170 Ocean Ave West	Salem	MA.
6 Pete Baker	46 Shortell Ave.	Beverly	MA
7 Frank LeBlanc	104 Bow St	PEABODY	MA
8 Carol Dwyer	1 CARBERRY DR	DERRY	NH.
9 Robert Niles	55 MILL ST.	WINTHROP	MASS.
10 Richard Dasse	11 KOLAND Rd	PEABODY	MA
11 Allen South	70 SPENCER ST	LYNN	MA
2 Stephen A. Marsh	115 NICHOLS ST.	EVERETT	MA
3 Dwight Hodgson	40 River Dr.	Danvers	MA
4 Willie Taylor	35 STARBIRD ST	MALDEN	MA
5 Ed J. O'Leary	25 TURKEY HILL RD	WILMINGTON	MA
6 Robert Lesher	69 Ballou St	Lynn	MA.
7 John Cressell	108 Faye Ave.	Lynn	MA
8 William J. Hernandez	40 Tinsler St	LYNN	MA
9 Peter Arneum	56 SHIRLEY Rd	LYNN	MA
10 Richard J. Boy	13 BIRCHMEADOW RD	MERRIMAC	MA.
11 William Holt	16 CLESTWOOD Rd.	NORTH READING	MA.
12 John McKee	25 Chapin Ave	Reading	MA
13 Ron Benson	5 Oak Shore	Peabody	MA

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	NAME	ADDRESS	CITY	STATE
1	Donc Paris	2 Brookside RD.	Middleton	MA
2	John Wojcieszyn	300 Beach St	Danvers	MA
3	WALTER VICK	18 WATSON ST	MARBLEHEAD	MA
4	S. LAMPHREY	36 ELM ST.	SALGUS	MA
5	L. MURRAY	22 SIGOURNEY ST	LYNN	MA
6	Dyle Lepper	201 Hebrake St	LYNN	MA
7	Robert Trahan	3713 St	LYNN	MA
8	JOHN KIRK	42 BELL RD	KINGSTON	MA
9	Kathleen McMulty	165 Maple St	Lynn	MA
10	MP De Jean	140 Spruce Ave	Chelsea	MA
11	John R. DeBick	18 Cherry St.	LYNN	MA
12	Steve Invernizzi	49 Westport Rd	Malden	MA
13	Joan P. Blaney	36 Lafayette St	Woburn	MA
14	Al Bells	34 Nahant St	LYNN	MA
15	Robert Gaudin	125 Jackson St	LYNN	MA
16	Walter Edgus	30 Springdale Ave	Saugus	MA
17	John Doherty	327 NAHANT RD	NAHANT	MA
18	Robert Alden	63A Haddock St	LYNN	MA
19	Robert Corraia	121 Franklin Ave	REVERE	MA
20	Brian Kowalski	39 Foster St	Everett	MA
21	Paul J. Lewis	77 North St	SAUGUS	MA
22	John W. -	71 Linden St	Everett	MA
23	Robert S. Searles	15 CHARNER ST	BOSTON	MA

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	NAME	ADDRESS	CITY	STATE
1	RON BRIGHT	24 CURTIS RD	REVERE	MA
2	MIKE KWISTEK	60 EMERALD DRIVE	LYNN	MA
3	GARR/MERCIEN	6 LINDEN ST.	SITELY	MA
4	D. GUERIN	14 CURRY CIRCLE	SWAMPSCOTT	MA
5	ED DELAURIER	BATCHELDER RD	SERBROOK	NH
6	BILL LEBLANC	566 MAIN ST	HANOVER	NH
7	DON BENTLEY	362 WHITTIER DR.	FREMONT	NH
8	DON CORMIER	550 BAREND DR.	E. WAKEFIELD	N.H.
9	KEN TANN	191 ELM ST	MILTON	MA
10	RICK McDONALD	98 WEST ADAMS ST.	SUMMIT	MA
11	CT. BENNETT	27 SAVOY ST	LYNN	MA
12	Bruce Voyer	1431 Eastern Ave.	Malden	MA
13	JOHN J. CUCCOLO	52 OAKMAN AVE	LYNN	MA.
14	WAYNE H. PRUITER	30 HANNAH DUSTIN ST.	Haverhill	MA.
15	DisceLL CHARLTON	1538 EPSTEIN AVE	MALDEN	MA.
6	RONALD AYCLAIR	56 JEFFERSON ST	LAURENCE	MA.
7	Vincent Harman	237 TRENTON ST	E. BOSTON	MA.
8	BRUCE RALPH	57 PENNETT ROAD	N. BERWICK	ME
9	Robert Carey	57 BENNETT HILL RD	Rowley	MA
0	Michael E. Robin	13 CASEY ROAD	E. KINGSTON	NH.
1	THOMAS CONDON	12 CHANCERY CT	LYNN	MA
2	Ralph B. Breen	16 SUMNER ST	WAKEFIELD	MA.
3	ED ANTHONY	3 MARTIN TERR	PEABODY	MA

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	NAME	ADDRESS	CITY	STATE
1	Philette Comen-	1946 Ridge Rd	DELCRE	MASS
2	Mon Ramsdell	48 Cannon Rock Rd.	Lynn	MASS
3	Patrick Ryan	10 Brumfield ST.	Newburyport	MA.
4	Mark Stickney	10 ESSEX ST	Lynn	MA.
5	Richard Hodgdon	142 Pilgrim Rd	Haverhill	MA.
6	KRAIG Sherwood	9 SPUR OAKS RD	BILLERICA	MA
7	F.J. NILAND	133 FRANKLIN ST. APT 505	STONEHAM	MA
8	DAVID N DAUENPONT	4 HOWARD LANE	NEWTON	N.H.
9	ANTHONY T. HARLING	138 NORFOLK AVE	SWAMPSCOTT	MA
10	JAMES STEVENS	22 SWEETWATER ST.	SAUGUS	MA
11	Steve Kelly	81 LEAVITT RD	FREMONT, NH	NH
12	R. Murciak	1 HUNTINGTON AVE	AMESBURY	MA
13	M. Ke Sweeney	12 Robbins Rd.	Foxboro	MA.
14	Richard Hills	12 Juniper Lane	Georgetown	MA.
15	Thomas M. Varnum	100 Colonial DR	IPSWICH	MA
16	Ray R. Conti	16 "B" ST.	Lynn	MA.
17	Walter S. Crighton	150 LEWIS ST	Lynn	MA.
18	Robert Higgins	4 Boylston ST	Lynn	MA.
19	Lawrence J. Riley	42 Broadway	Stoneham	MA.
20	William B. B...	15 Rockdale AVE	Salem	MA.
21	John J. B...	5 GLEADEL AVE	Saugus	MA
22	Charles P. B...	17 BELLEVUE AVE	Lynn	MA.
23	Donald Young	25 NORTHGATE AVE	LYNN	MA
24	Ton Volder	34 PLYMOUTH AVE	SWAMPSCOTT	MA



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	NAME	ADDRESS	CITY	STATE
1	Carol Howard	65 Bickford St	Lynn	MA
2	Saron Champguy	33 Johnson St	Saugus	MA
3	Anthony R. Bellina	65 Benet St	Methuen	MA
4	Glenn Rogers	30 West Sigourney St	Lynn	MA
5	Dave Phelan	16 Lawrence Rd	Lynn	MA
6	John Chitt	282 Euclid Ave	Lynn	MA
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	NAME	ADDRESS	CITY	STATE
1	Virginia Mathis	70 Bacheller Street	Lynn	MA
2	Kevin P. Veinette	36 Marlborough Rd	Salem	MA
3	Doris Bryant	1003 Foxwood Cir.	Peabody	MA
4	Phil J O'Donnell	44 Radcliff Ave	Lynn	MA
5	John J. Smith	37 Edgewater Rd	Lynn	MA
6	John J. Smith	32 LISA Ave	Randolph	MA
7	John J. Smith	42 T. L. Ave	Weymouth	MA
8	John J. Smith	42 T. L. Ave	Weymouth	MA
9	John J. Smith	42 T. L. Ave	Weymouth	MA
10	Hilda Rodriguez	31 Waller St.	LYNN	MA
11	John J. Smith	42 T. L. Ave	Weymouth	MA
12	Markell D. Sauer	1 Kings Hill Rd	Peabody	MA
13	Al Nee	3 Wildwood Ter	SAUGUS	MA
14	Thomas M. McAttee	50 Riverdale Ave	Tewksbury	MA
15	Gus Morris	70 Bacheller St	Lynn	MA
16	Margaret D. Dyer	195 Broadway	Lynn	MA
17	John J. Smith	42 T. L. Ave	Weymouth	MA
18	John J. Smith	42 T. L. Ave	Weymouth	MA
19	John J. Smith	42 T. L. Ave	Weymouth	MA
20	Charles A. Rangianis	35 EASTERN AVE.	LYNN	MA SS
21	John J. Smith	42 T. L. Ave	Weymouth	MA
22	Eric G. Gayles	575 Broadway	HAVERHILL	MA
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	NAME	ADDRESS	CITY	STATE
1	John LASHMAN	379 CLARENDON ST	Fitchburg	MA
2	Stephan Ayott	19 Glen Devon Dr.	Amesbury	MA
3	David White	11 Rollin Ave	Lynn	MA
4	Scott Gehow	96 Bennett Hill Rd.	Rowley	MA
5	Theresa Marchand	5 Maplewood Rd	Lynn	MA
6	Kathleen McNamee	16 Glen Ave	Lynn	MA
7	EDWARD FEETEL	217 EUCLID AVE	Lynn	MA
8	Paul McNamee	16 Glen Ave	Lynn	MA
9	Jeffery D. Minelli	23A Riverside Rd	E. Templeton	MA
10	Ted Wiedemann	18 Anderson Dr	Marshfield	MA
11	GERMAN A. RAMIREZ	600 Western Ave #1	Lynn	MA
12	Ken Hunt	98 Wrentham St	Rowley	MA
13	Malcolm J. Mitchell	90 Richardson Rd.	Lynn	MA
14	Karl Gustaf Sparidys	6 Christopher Drive	Nahant	MA
15	Robert H. Roberts	772 Winfield St	Lynn 01904	MA
6	Jane Henas	Rand St	Lynn	MA
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# SUPPORT THE CAPE WIND PROJECT AND WIND POWER

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As workers in the Lynn, Massachusetts River Works plant, who have machined and assembled dozens of quality products for over 100 years and are now making our first gear sets for wind turbines, we ask you to support the Cape Wind project and the development and extension of Wind Power for the following reasons:

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3. Wind Power supplies living wage, family-supporting jobs in Lynn and elsewhere.

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	NAME	ADDRESS	CITY	STATE
1	Elizabeth Lemelin	25 Autumn Way	Seabrook N.H.	N.H.
2	Timothy McCormick	56 DAVID TERR	Wenwood	MA
3	Robert J. Hanson Jr	51 ROCK VALLEY AVE	EVERETT	MA
4	Lauree Neary	59 Holly Ave	Lynn	Ma
5	David J. Conner	5 SUMMIT AVE	SALEM	MA
6	OBrian Conner	15 GREENWOOD CIR,	LYNN	MA
7	Vivian Ambrosio	1 Woodland S	Lynn	MA
8	Donald W. Wapner	19 Richardson Circle	Spencer	MA
9	Jim Gittel	197 High ST	Hampton	N.H.
10	Bernetta Heslop	27 Seaview ave	Malden	ma
11	Maria Hios	66 Monitor St	Lynn	ma
12	Minnie Anderson	12 Warren ST	Lynn	ma
13	Sam Phipps	58 WATER ST	NEWTON	MA
14	Glenn Shady	29 Bertuccio Ave	Salem	Ma
15	John Malconi	406 Cedarbrook Road	Lynn	Ma
16	Janice Barker	25 Edwards Court	Lynn	MA
17	Bob Niss	36 Verdmont Ave	Lynn	Ma
18	Don Dygi	505 Revere Beach Blvd	Revere	Ma
19	Seadecor Pappas	31 Heritage Rd	Billerica	ma
20	Luigi L. Hillbult	32 LAFAYETTE PL	SALEM	MA
21	Jeff Best	213 WOOD AVE HYDE PARK	Hyde Park	MA
22	Debra Flynn	28 Sereno way	Saugus	MA
23	Kevin Lannon	22 West Dane St	Beverly	Ma
		29 Verona St.	Lynn	Ma.

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	NAME	ADDRESS	CITY	STATE
1	William Thorne	87 Spring St	Newport	R.I.
2	Judy Kennedy	134 Taylor St	Lynn	Ma
3	Sharon P. Hogan	110 Stanley Rd	Swampscott	Ma
4	Michael Madlunas	123 Crescent Ave	Riverne	02151
5	Timothy J. McLaughlin	48 Phillips Ave	Lynn	mass.
6	Michael L. Hogan	20 MARLBOROUGH RD	SALEM	MASS
7	Mike Eads	40 Beacon Hill Ave	LYNN	MA
8	Glenn Eads	40 Beacon Hill Ave	LYNN	MA
9	Luigi Romano	45 ENCLICOT ST SALEM MA	SALEM	MA.
10	Meaghan Dunin	11 Northside Ave Lynn	lynn	Ma
11	Bonnie M. Alf	Nottingham MA	N	MA
12	Bonnie Yetman	33 Westward Rd Lynn	Lynn	MA
13	Arue Carroll	9 Columbia Cir Lynn	lynn	MA
14	Wayne Bennett	85 RIVER ST	LYNN	MA
15	William DeJoy	200 Locust St	LYNN	MA
16	Jim O'Brien	194 Forest St	Melrose	MA
17	Charles J. Phinney	95 PARK ST.	LYNN	MA
18	Richard Thierberg	360 Essex St	Salem	MA
19	Jim Velez	4 Farm Ave Peabody	Peabody	MA.
20	DANNA M. B.	23 Pinehurst Ave	Salem	MA
21	TRISNG REX	232 LYNNFIELD ST Apt 1	LYNN	MA
22	Mariellob Dachs	19 Pratt Hill Rd	Salem	MA
23	Roggy Charnalona	39 Spring Rd.	LYNN	MA.
	Bob F. Cathey	2 Elm St	Lynn	MA

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NAME	ADDRESS	CITY	STATE
1. <i>John D. Biber</i>	Juniper Rd	Wincham.	NH
2. <i>Joseph M. A. J. J. J.</i>	FIELDSTONE DR	LONDON JERRY	NH
3. <i>John J. J.</i>	Rox ST	Rossmore	NH
4. <i>Robert J. J.</i>	5 Thomas St.	Saugus	Ma.
5. <i>Brian H. Poli</i>	108 Chatham St	LYNN	MA.
6. <i>Myra J. J.</i>	16 Belmont St	No. Andover	MA
7. <i>W. J. J.</i>	13 MICHAEL	SANDOWN	N.H.
8. <i>Stephen Brodie</i>	5 Fairview Circle	Graveland	MA.
9. <i>Carleen Brown</i>	19 Millbrook Mt.	Mashua St.	N.H.
10. <i>Walter A. Costello</i>	18 Glavin Rd	SALOM N.H.	N.H.
11. <i>Donald S. J.</i>	27 RIVER PARKWAY	TAMMINGTON N.H.	N.H.
12. <i>William J. J.</i>	42 S. Summit St	Hollingsham NH	NH
13. <i>Diane Miller</i>	270 LITTLETON ROAD #106	CHESTER MA	MA
14. <i>Pat J. J.</i>	40 GRSV ST	LYNN 01905	MA
15. <i>Susan Robinson</i>	14 Maple Terrace, Lynn, MA	Lynn, MA	MA
16. <i>Margaret J. J.</i>	416 Lynnfield	Beverly	MA
17. <i>Chuck LaBate</i>	Swanscott Ma		
18. <i>Edith G. Rhoad</i>	1 Chandler Rd Weymouth		MASS.
19. <i>Art W. J.</i>	15 FRANKLIN ST	LYNN	MA
20. <i>Carol L. Lemme</i>	4 Madison St	Lynn	MA.
21. <i>Tom Sullivan</i>	14 TRINTON ST	CHARLESTOWN	MA
22. <i>Jane Scamponi</i>	307 Essex St.	Beverly	MA
23. <i>Christina Hayden</i>	14 Fairbanks Rd &	Chesterford	MA
<i>Ray Ouellette</i>	63 Hollis St.	Howell	MA.

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	NAME	ADDRESS	CITY	STATE
1	Brian Walsh	7 Kingsbury Ln	Billerica	MA.
2	MIKE BROWN	88 HADLEY RD	MERRIMAC	MA
3	Sam BENEDICT	23 GROVE ST	Lynn	MA.
4	Leo LeBlanc	5 Quaker St	Newton	N.H.
5	Roger Soucy	37 Dogwood Lane	NEW MARKET	NH
6	Thomas Monks	34 Perley St	Lynn	MA
7	Hal Call	23 Kent Rd	Lynn	MA
8	Linda McKenna	6 South St.	BEVERLY	MA
9	James E. Noyes	33 Coffin St	West Haverhill	MA
10	RICHARD A. BOISVERT	57-6 SCENIC DRIVE	DERRY	N.H.
11	Robert J Duval	391 Whipple Rd	Tewksbury	MA
12	Steven Gray	7 McGowan	Wilmington	MA
13	BILL AYBOLD	141 THISSELL AVE DRACUT	DRACUT	MA.
14	DAVID MERSON	107 ADAMS RD.	LONDONDERRY	N.H.
15	VICTOR GURTIN	55 OLD AMESBURY LINE RD.	HAVENHILL	MA.
16	Tom Deleskey	11 Cherry Rd.	Chester	N.H.
17	Peter Antonelli	6 Westland Ave	Saugus	MA.
18	George E Brown	68 Mallard St	Billerica	MA.
19	RICHARD COLE	297 LYNNFIELD ST.	PEABODY	MA.
20	Mike Needham	22 Woodside Terr.	Lynn	MA
21	Scott K. Rich		Saugus	MA
22	Alfred A. Lupano	79 Bradstreet Ave Lowell	Lowell	MA.
23	Harry E. Smith	35 HARRISON AVE	PEABODY	MA

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	NAME	ADDRESS	CITY	STATE
1	PAUL J. BOVA	30 IRONWOOD LN.	TEWKSBURY	MA
2	Doug Gibson	20 BALDWIN RD	GEORGETOWN	MA
3	Jillia McChell	205 DENISON RD	MILFORD	MA
4	De Delaney	354 S. Broadway	LAWRENCE	MA.
5	Ed Douglas	13 LINCOLN ST.	MERRIMACK	MA.
6	Juan Buisson	57-1 SCENIC DRIVE	FERRY	N.H.
7	Robert Semi	471 WALNUT ST	Saugus	MA.
8	Maria Cote	40 Stewart St Dracut		MA.
9	Bethy McPartland	25 MAGNER RD Lynn	Lynn	MA
10	Pat Hahn	Salem N.H.		
11	Jay C. Hyatt	3 Spring Ln	Ne Reading	ma
12	Chris Kosselle	107 Birch St Haverhill	Haverhill	ma
13	Thom Young	149 WINTHROP RD #15 BROOKLINE		MA
14	Pete V. Fontana	22 Venice Ave Saugus	Saugus	Ma
15	Dana Lurvey	319 ANDOVER ST.	WILMINGTON	MA.
16	Connie Gifford	16 ST. MARY'S ST -	WALDEN	MA
17	Joseph Valencia	374 CONCORD AV. Cambridge	Cambridge	MA.
18	Thomas Paulino	1 M ST. BRADFORD, MA.	HAVERHILL	MA.
19	Moses Choy	13 ASUNNYSIDE LN	DEERY	NH
20	William Luna	P.O BOX 2173	Lowell	MA
21	Carrie Scodrin	40 Clyde Ave <del>Lowell</del>	TEWKSBURY	MA
22	Jamie Liska	42 VANCE RD Lowell	TEWKSBURY	MA
23	Steve Bril Teas	76 WINTHROP ST <del>Saugus</del>	Saugus	MA



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	NAME	ADDRESS	CITY	STATE
1	Wanda Milewska	29 Linden Rd	Peabody	Ma
2	G & Poff	18 Hamner Rd	Saugus	MA
3	Nant Palmer	3 BRANKER RD	SAUGUS	MA
4	Theresa Calder	72 Webster St.	Lynn	Ma
5	Bob Thompson	1 Palomino way	Spanish	Ma
6	Michael Tunny	52 MASON ST	SALEM	MA
7	John C. Martin	24 Leavitt St.	SALEM	MA
8	Frank Goff	DE RY MA	DE RY	NH
9	Derek Haskell	4 Pyburn Ave Salem MA	Salem	MA
10	Raymond Bland	34 Arthur St	Lynn	MA
11	G. J. White	33 TAPPAN ST	MELROSE	MA
12	Margaret Dwyer	Old Andover Rd	No Reading	MASS
13	J. Nuzzolo	139 Village St	Marblehead	Ma
14	C. J. Dwyer	1301 WHITE ST	Campden MA	NH
15	G. J. Dwyer	58 COMMON ST	QUINCY	MA.
16	John J. Dwyer	PO Box 1045	SEABOARD NH	NH
17	Gary L. Dwyer	416 LYNNFIELD ST.	PEABODY	MA.
18	Gary Dwyer	59 Bow Ridge Rd.	Lynn	MA.
19	Gary Dwyer	28 PRESTON ST	LYNN	MA.
20	Al Wyatt	3 Spring Lane	N Reading	MA
21	Theresa Dwyer	11 Fay St	Lowell	MA
22	Robert Thibodeau	96 Orchard St.	Lynn	MA
23	Jacob Schmitz	100 Rose Hill Way	Waltham	MA
	Karen Corcoran	47 BRIAR HILL DR	LYNN	MA



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	NAME	ADDRESS	CITY	STATE
1	PAT SCHIAVONE		SILVERBROOK	MA.
2	Elizabeth Hart		Salem	Ma.
3	David J. Johnson	27 Elmwood St	Boston	MA
4	Dianne Farkner		Saugus	MA
5	Don Cripps		Reading	MA
6	Endge Jones		Wenham	MA
7	Barbara Matthews		Amesbury	MA
8	Michael Karvick	42 Orchard St	Beverly	MA
9	Paul D. Barrett		Beverly	"
10	JIM CUNNING			
11	Katherine Walsh		Salem	MA
12	Frank Raines	Kenwood Ave	Saugus	MA
13	ALAN D. BOOTH	65 BOWDOIN STREET	DORCHESTER	MA
14	John J. Murray	50 SARGENT AVE	SOMERVILLE	MA
15	Susan Bogart		Lynn	MA
16	Robert F. Nier	36 Verdun Ave	Lynn	MA
17	David Carter	2 SEQUOIA LN	PLAISTOW	MA
18	John J. Ferguson	P.O. Box 2696	LYNN MASS	01903
19	Michael Smith	46 DE CONCORD ST	Dover, NH	03820
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	NAME	ADDRESS	CITY	STATE
1	Robert Newbey	24 Hawke Ln	Danville	MA
2	Jay D'Alelio	15 DISCAYNE AVE	SAUGUS	MA
3	PETER Phelan	834 CHESTNUT ST	NO. ANDOVER	MA
4	JOHN TRAMER	57 NEWBOSTON RD.	KINGSTON	NH.
5	ARTHUR DRISCOLL	86 GLEN WAY AVE	PEABODY	MA
6	PAUL LEBLANC	24 GAIL RD	LYNN	MA
7	Michael McGovern	125 Stetson Ave	Salem	MA
8	D. MORALES	1000 WESTERN AVE	LYNN	MA
9	John Riccio	24 Franklin St.	Revere	MA
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	NAME	ADDRESS	CITY	STATE
1	Robert G. Lillo	245 Mt. Ave. Rm. 1	Rm. 1	MASS
2	Paul Martin	1 Tracy Ave.	Lynn	MA
3	Paul Martin	31 Congress St.	Lynn	MA
4	Ken DiBiccare	51 Fletcher St.	Kennebunk	ME
5	J. W. Fisher	28 Carnes St.	Lynn	MA
6	Paul Y. Duglio	90 Bass Ave.	Glocester	MA
7	Lynn S. L.	2 Onole Rd.	Wincham	NH
8	Paul R. S.	50 Jessie St.	Swampscott	MA
9	Les Amick	104 Norris Brook	Peabody	MA
10	Tom F.	138 Lakeshore Dr.	Middletown	NH
11	John J. L.	2 Swanston Way	Georgetown	MA
12	John J. L.	78 Rolling Ridge Lane	Methuen	MA
13	John J. L.	2 Reed St. Lynn Ma	Lynn	MA
14	Richard W. Hanson	20 Mansfield St.	Lynn	MA
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1	Emilio Paglia	63 Juniper Drive	Saugus	MA
2	Zligniew Zielinski	62 Valley St.	Salem	MA
3	Paul V. Greenleaf	2 MURRAY ST.	Lynn	MA
4	Mike Casquaville	7 Cypress St	Salem	MA
5	John Heary	20 Neptune Blvd #9 Lynn.	Lynn	MA
6	John Dwyer	261 Sales Rd. 100. Attleboro	MA	
7	Philip Grant	20 Osborne St. Salem	MA	
8	Charles Sullivan	59 Hood St. Lynn	MA	
9	BUL LINDENMAN	27 Kosciuszko St	Peabody	MA
10	Nat Jr	55 CRANE Rd	Quincy	MA
11	Peter Bellone Jr	2818 Founders Way	Saugus	MA
12	John P. McCloy Jr	303 Broadway APT B-2	Lynn	MA
13	John P. Sullivan	201 Lynn St.	Lynn	MA
14	JOZEF CIELICKO	33 Ashwood Ave	Wilmington	MA
15	E. J. Britton	309 MAPLE ST	Lynn	MA
16	KEVIN W CLARK	30 BICKFORD ST	Lynn	MA
17	WILLIAM J MACDONALD	24 HARRIET AVE	Burlington	MA
18	DICK CUMMINGS	7 STEWETT ST	GEORGETOWN	MA
19	CHET ACRES	9 JENNIFER AVE RAYMOND N.H.	RAYMOND N.H.	N.H.
20	Dick Honey	8 Devereux Terr.	Malden	MA
21	ALAN MERRITT	21 Smith Rd	Saugus	MA
22	James J. Dwyer	1 Stewart Rd	Peabody	MA
23	John J. McNeil	Gregory St	Wendell	MA
	John BERGIN	27 Pond St.	Newton	N.H.

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# SUPPORT THE CAPE WIND PROJECT AND WIND POWER

To The Army Corp of Engineers and Responsible Elected Officials:

As workers in the Lynn, Massachusetts River Works plant, who have machined and assembled dozens of quality products for over 100 years and are now making our first gear sets for wind turbines, we ask you to support the Cape Wind project and the development and extension of Wind Power for the following reasons:

1. Wind Power is a clean and renewable energy resource.
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3. Wind Power supplies living wage, family-supporting jobs in Lynn and elsewhere.

We urge you to quickly resolve regulatory issues so that the Cape Wind Project and other Wind Power projects can proceed for the betterment of our environment, our communities, and our jobs.

	NAME	ADDRESS	CITY	STATE
1	Helen Hughes	24 RAVENNA AVE	SALEM	MA
2	Robert Washburn	10 Summit Drive	Salem	NH
3	GEORGE T. GOYLES	40 PROSPECT ST	PEPPERH	MA
4	Lawrence Sacco	10 Johnson Lane	Byfield	Ma
5	Mr. C. J. C.	11 Birch Hill Rd	Merose	MA
6	Donny Conneally	36 HANNAH DOSTON ST	HAVERHILL	MA
7	Bill GARDNER	18 HAMPTON ST	SAUGUS	MA
8	John Parker	64 MYSTER ST	Lynn	MA
9	Philip C. C.	18 S. S. Rd	Roxbury	MA
10	Joe Wincey	1059 BOSTON RD	BRADFORD	MA
11	Randy Thompson	71 PISCATAWAY ST	Revere	MA
12	Joe C. C.	51 S. St	Saugus	MA
13	George Timlin	103 Menlo Ave	Lynn	MA
14	Bob Dwyer	76 FORD ST	Lynn	MA
15	John C. C.	5 VALLEY ST	Merrimack	MA
16	RFC	639 WETHERSFIELD ST	Bowling	MA
17	Wm R. C.	63 BUENA VISTA ST	Salem	MA
18	Mark J. C.	27 PRINCETON ST	DANVERS	MA
19	Paul A. C.	26 A Colonial Rd	Peabody	MA
20	Grace B. C.	10 CEDAR CT	Everett	MA
21	Bill H. C.	24 Valley St	Malden	MA
22	Frank M. C.	42 LOWERS LEAF AVE	Lynn	MA
23	Henry C. C.	105 R. Main St	Byfield	MA
24	Joe Macdonald	134 DEN QUARRY ROAD	LYNN	MA

3790

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NAME	ADDRESS	CITY	STATE
1. <del>Steven DeLuca</del>	11 Broadway	Lynn	MA
2. <del>Sharon Cooper</del>			MA
3. <del>P. D. Bennett</del>			MA
4. <del>Mark D. Bennett</del>		Swampscott	MASS
5. <del>Ted Fantelakis</del>		Northampton	MA
6. <del>W. Hill</del>		Wenham	MA
7. <del>Frank P. Dugan</del>		Revere MA	MA
8. <del>Thomas Brady</del>		Revere MA	MA
9. <del>Robert D. Dugan</del>		Landenberg	MA
10. <del>John D. Dugan</del>		REVERE MA	MA
11. <del>John D. Dugan</del>			
12. <del>James E. Dugan</del>		Beverly	MA
13. <del>John D. Dugan</del>		John Dugan	MASS
14. <del>Don H. H. H. H.</del>		Peabody	MA
15. <del>Don H. H. H. H.</del>		Peabody	MA
16. <del>Michael Wynne</del>		Raymond	N.H.
17. <del>Frank H. H. H.</del>		Chelsea	MA
18. <del>Don K. K. K.</del>		Lynn	MA
19. <del>Leo J. LeBlanc</del>		Middleton	MA
20. <del>Leo J. LeBlanc</del>		Lynn	MA
21. <del>Bruce Voyer</del>		Malden	MA
22. <del>Frank MacDonald</del>		LYNN	MA
23. <del>Alphonse Atkinson</del>		MILTON	MA
24. <del>Stephen J. J. J.</del>		MEDFORD	MA

3798

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	NAME	ADDRESS	CITY	STATE
1	Mary Ellen O'Reilly	47 Puritan Rd. Somerville	MA	
2	ROBERT POWERS	24 RAVENNA AVE SALEM	MA	
3	GERALD POWERS	1750 16th St #3	Washington	DC
4	DAN HARTFORD	5 Overlook Ave	Peabody MA	MA
5	Jane Gordon	41 East St	Topsfield MA	MA
6	Robert King	94 TAFT ST.	REVERE MA	MA
7	William B. King	54 SEACON HILL AVE	LYNN	MA
8	John W. King	1 RIVERVIEW BLVD	METHUEN	MA
9	Ann Marie King	P.O. Box 484	BARRINGTON	N.H.
10	Bruce A. Erickson	38 Great Woods Rd.	Saugus	MA
11	Gerry Byrne	44 South Bieder Rd.	METSFORD	MA
12	Frank L. Erickson	12 SOROKA DR. Chelmsford	CHELMSFORD	MA
13	Linda M. Parker	57 CABOT ST BROOKTON	BROOKTON	MA
14	Raymond B. King	CANNON HILL RD EXT	CRUPLAND	MA
15	Cheryl Phillips	REGINA RD	LYNN	MA
16	Neil Neely	Cauldwell Ave. Lynn	Lynn	MA
17	DENNIS Tencio	OAKWOOD AVE	REVERE	MA
18	JOE DUGGAN	QUINCY ST	MALDEN	MA
19	JAY CASWELL	2 Beaver Pond Rd KINGSTON	KINGSTON	NH
20	MIKE O'DONNELL	26 TEMPLE PLACE	LYNN	MA
21	G. Stevenson	311 ESSEX ST. Lynn	LYNN	MA
22	DAVE NOLAN	136 Bowler St	LYNN	MA
23	BARRY JOHNSON	59 AURORA LN	SALEM	NH
24	George Forcione	35 Washington St	BOSTON	MA



3798

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	NAME	ADDRESS	CITY	STATE
1	Joyce Wallace	35 DONNELLY DR	LYNN	MA
2	Thomas J. Abbott	38 ESTES ST	LYNN	MA
3	Paul J. Morrison	6 ELIA ST	SAUGUS	MA
4	John R. Hawley	142 BURRILL ST.	SUMMIT	MA
5	Thomas G. Casey	32 Granite St.	Revere	MA
6	Charles M. Corbett	115 Louise Rd	Braintree	MA
7	STEPHEN WATT	124 OAK ST	WAKEFIELD	MA
8	Ernest DiMuzio	9 Hampshire St.	DANVERS	MA
9	Bob KELLER	5 DANIELS RD	Rowley	MA
10	Phil HOWARD	40 ROLLINS ST	GROVELAND	MA
11	Douglas F. Gaudet	7 Fiske Road	Saugus	MA
12	Henry J. Zaleski	17 HERITAGE DR	Salem	MA
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3798

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NAME	ADDRESS	CITY	STATE
1 Theodora Christopoulos	10 Martineau Ave	Peabody	MA
2 John F. McLaughlin	14 W. B. Street	St. Louis	MO
3 Ellen Harris	155 Main St	Lynn	MA
4 Nathaniel McNeil	300 Myrtle	Lynn	MA
5 Samuel Jones	50 Andrew St	Lynn	MA
6 Charles Church	10 Martineau Ave	Peabody	MA
7 John F. McLaughlin	85 New York St	Lynn	MA
8 James H. H. H.	100 Main St	Peabody	MA
9 Peter K. Spiers	42 Archer St.	Lynn	MA
0 John H. H. H.	114 Johnson St	Lynn	MA
1 John H. H. H.	1 Trenton Ln	Lynn	MA
2 John H. H. H.	100 Main St	Lynn	MA
3 John H. H. H.	150 Main St	Lynn	MA
4 Kathleen Carey	4 Carlton St.	Lynn	MA
5 Scott Smith	33 N. Main St	Lynn	MA
6 John H. H. H.	100 Main St	Lynn	MA
7 John H. H. H.	100 Main St	Lynn	MA
8 John H. H. H.	85 NEWCASTLE ST. APT 201	Lynn	MA
9 John H. H. H.	43 St. Paul St	Lynn	MA
0 John H. H. H.	23 Northcross Trk	Lynn	MA
1 John H. H. H.	356 Western Ave.	Lynn	MA
2 John H. H. H.	745 Comm. St.	Lynn	MA

3798

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	NAME	ADDRESS	CITY	STATE
1	Shirley Ann	2 Rogers Ave	Lynn	MA
2	Maribel Acero	230 S. Common St Lynn	Lynn	MA
3	William Mott	9 Pickering Way #6 W	Salem	MA
4	Donation name	14 Rock Ave	Salem	MA
5	Deek Wood	10 Tilling Rd Apt 11	Salem	NH
6	John Ladd	11 Michael St	Lynn	MA
7	LAURENCE GOTIMER	678 WASHINGTON ST	LYNN	MA.
8	ARTHUR W. GALLANT JR	6 LADEP AVENUE	LYNN	MA.
9	Charles Mitchell	12 Brookline Ave	Lynn	MA
10	Dorlene Maria Brown	200 Union St.	Lynn	MA
1	Lee Brown	126 Union	Lynn	MA
2	Evan French	18 Hamilton Ave	Lynn	MA
3	Kym Craig	5 Skirne St	Lynn	MA
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3799

Mr. and Mrs. R. Chapman Taylor, III  
2 Monomoy Road  
Nantucket, MA 02554  
February 17, 2005

Colonel Thomas Koning  
US Army Corps of Engineers  
696 Virginia Road  
Concord, MA 01742

Dear Colonel Koning:

We are writing to you regarding the proposed Cape Wind development between Cape Cod and Nantucket, in the center area of Nantucket Sound. We have been studying the proposal, attending several meetings in Nantucket and in general, have tried to be as up to date as possible regarding this development.

It is our opinion that the Cape Wind Draft Environmental Impact Statement is inadequate in several areas: Nantucket is an area declared by the US Government to be a National Historic Site and as such we are very upset about the potential visual pollution as well as the economic impact on our lovely community. We have, like many here in Nantucket, retired and with our life savings came to a place we have grown to love over a period of 25 years. Having been a property owner here for all this time, when it came to retirement, we decided to go where we love and now this project is threatening our very investment and the beauty of the sound. Further, it is threatening the fish and bird wildlife in the Sound, the boating and air navigation safety, and the in general, the very health of the Sound were an oil spill to happen during a transfer to oil to the transformer substation. We feel you have not done due diligence to these topics.

It is our wish that you will not take these feelings lightly and will agree to further study. Thank you for your consideration to this matter.

Sincerely,



R. Chapman Taylor, III  
Sandra H. Taylor

RECEIVED

FEB 22 2005

U.S. ARMY CORPS OF ENGINEERS

3800

Col. Thomas Koning  
U. S. Corps of Army ENgineering  
696 Virginia Road  
Concord, Mass. 01742


Dear Col. Koning,

I am a resident of Cape Cod, and much concerned about the prospect of the environmental impact on the fishing, sailing and general health of the ocean around the proposed wind farm. Its construction will surely disturb the sea floor and thus the fish. A lot of heavy equipment will be necessary in the construction of the windmills, chancing the release of oil and other substances disagreeable to the surroundings. Once built it will certainly need maintenance and supplies, comprising more traffic.

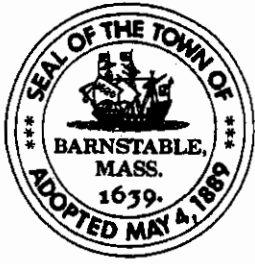
In the Pacific Northwest a couple of years ago I was travelling and saw wind farms on high hills in "action". About one third of them were disabled in one way or another, at considerable expense to the taxpayers there. On top of that I have read nothing to convince me that they will produce with any degree of certainty, nearly as much energy as advertised.

Surely there are many localities which would offer equal, if not better sources of power without the visual impact of very ugly, tall towers, row upon row across large areas of NANTUCKET Sound.

Very sincerely,

  
Mrs. Whitney Wright  
HYannis Port, Mass.

February 17, 2005



# The Town of Barnstable Town Council

367 Main Street, Village of Hyannis MA 02601

508-862-4602 • Fax 508-862-4770

email: Council@town.barnstable.ma.us

www.town.barnstable.ma.us

3801

## Councilors:

Gary R. Brown,  
President

Henry C. Farnham  
Vice President

Richard G. Barry

Janice L. Barton

Ann B. Canedy

James H. Crocker, Jr.

Leah C. Curtis

Janet Joakim

J. Gregory Milne

James F. Munafo, Jr.

Royden C. Richardson

Tom Rugo

Harold E. Tobey

Administrative  
Assistant:

Donald M. Grissom

Town Council

Secretary:

Cheryl A. Phillips

February 17, 2005

Colonel Thomas Koning  
U.S. Army Corps of Engineers  
New England District  
696 Virginia Road  
Concord, MA 01742

Dear Colonel Koning:

RE: Payment for 2005 Massachusetts Municipal Annual  
Meeting & Trade Show Registration January 6-8, 2005

On behalf of the Town of Barnstable, I am writing to express our formal opposition to the Cape Wind project and to the Draft Environmental Impact Statement (DEIS) released by the U.S. Army Corps of Engineers. Cape Wind's proposed project is not in the public interest, and the Corps' permit process is an insufficient mechanism under which to review such a proposal. Furthermore, the Corps has failed to give adequate voice to local government concerns. For these reasons, the Town of Barnstable objects to further review of this permit application. If the Corps continues to review the application, it should deny the permit.

The Army Corps has a duty to protect the public trust, in this case the open waters of Nantucket Sound. Approval of the Cape Wind power plant is a fundamental abdication of the Corps' trustee role, as the negative impacts of this proposed power project far outweigh its benefits. The public's interest is not served by allowing a private developer to take control of this public resource for private gain, while collecting millions in subsidies from taxpayers.

The Cape Wind project would have a negative impact on Barnstable and on the region as a whole. Local economies would suffer from a loss of tourism - the financial lifeblood for most of Southeastern Massachusetts - and from the job loss as a result of this decline in tourism. Moreover, another economic mainstay of the area, commercial fishing, would be seriously harmed by the project.

Property values in the region would decline because of visual impacts caused by the Cape Wind power plant. Historic properties would also be negatively affected.



# The Town of Barnstable

## Town Council

367 Main Street, Village of Hyannis MA 02601

508-862-4602 • Fax 508-862-4770

email: Council@town.barnstable.ma.us

www.town.barnstable.ma.us

3801

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Donald M. Grissom

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Cheryl A. Phillips

Colonel Thomas Koning  
February 17, 2005  
Page Two

Another category of detrimental impacts of the development comes at the expense of the region's wildlife and environment. The Cape Wind development would have adverse effects on birds, some of which are federally protected, marine mammals, fish, and have an overall harmful effect on the Sound's ecosystem. Additionally, the power project is likely to sacrifice any chance of the Sound's ecosystem. Additionally, the power project is likely to sacrifice any chance of achieving the longstanding goal of designating the Sound as a national marine sanctuary.

The Town of Barnstable is also opposed to the process used by the Army Corps, as it does not give adequate voice to local concerns and is an improper avenue to approve such a project. An offshore wind energy development should be undertaken only with the cooperation of the communities it affects, adequately addressing the concerns of the affected local governments. Indeed, the Corps should heed the recent Executive Order of the President and facilitate cooperative conservation. *See* Exec. Order No. 13,352,69 Fed. Reg. 52,989 (Aug. 26, 2004). The Army Corps should comply with President Bush's Order, and consider this as a collaborative activity between federal, state and local entities. The Corps has failed in this respect, and our Town's concerns have been given scant attention throughout this review process.

In conclusion, the Cape Wind project and DEIS have many flaws. The adverse effects discussed above are not adequately or objectively considered in the DEIS. The project is not in the public interest and would have a damaging impact not only on Barnstable, but on the entire region. As such, Barnstable objects to the issuance of a permit for this proposal and requests that the Corps reject the application.

Sincerely,

Gary R. Brown, President  
Barnstable Town Council

cc: Congressman William Delahunt  
Governor Mitt Romney  
Massachusetts Attorney General Thomas Reilly  
Senator Rob O'Leary  
Representative Demetrius Atsalis  
Anne Canaday, Mass. Environmental Policy Act  
Phil Dascombe, Cape Cod Commission

RECEIVED  
FEB 22 2005  
TOWN OF BARNSTABLE

3802

## Presidential Documents

### Executive Order 13352 of August 26, 2004

### Facilitation of Cooperative Conservation

By the authority vested in me as President by the Constitution and the laws of the United States of America, it is hereby ordered as follows:

**Section 1. Purpose.** The purpose of this order is to ensure that the Departments of the Interior, Agriculture, Commerce, and Defense and the Environmental Protection Agency implement laws relating to the environment and natural resources in a manner that promotes cooperative conservation, with an emphasis on appropriate inclusion of local participation in Federal decisionmaking, in accordance with their respective agency missions, policies, and regulations.

**Sec. 2. Definition.** As used in this order, the term "cooperative conservation" means actions that relate to use, enhancement, and enjoyment of natural resources, protection of the environment, or both, and that involve collaborative activity among Federal, State, local, and tribal governments, private for-profit and nonprofit institutions, other nongovernmental entities and individuals.

**Sec. 3. Federal Activities.** To carry out the purpose of this order, the Secretaries of the Interior, Agriculture, Commerce, and Defense and the Administrator of the Environmental Protection Agency shall, to the extent permitted by law and subject to the availability of appropriations and in coordination with each other as appropriate:

(a) carry out the programs, projects, and activities of the agency that they respectively head that implement laws relating to the environment and natural resources in a manner that:

(i) facilitates cooperative conservation;

(ii) takes appropriate account of and respects the interests of persons with ownership or other legally recognized interests in land and other natural resources;

(iii) properly accommodates local participation in Federal decision-making; and

(iv) provides that the programs, projects, and activities are consistent with protecting public health and safety;

(b) report annually to the Chairman of the Council on Environmental Quality on actions taken to implement this order; and

(c) provide funding to the Office of Environmental Quality Management Fund (42 U.S.C. 4375) for the Conference for which section 4 of this order provides.

**Sec. 4. White House Conference on Cooperative Conservation.** The Chairman of the Council on Environmental Quality shall, to the extent permitted by law and subject to the availability of appropriations:

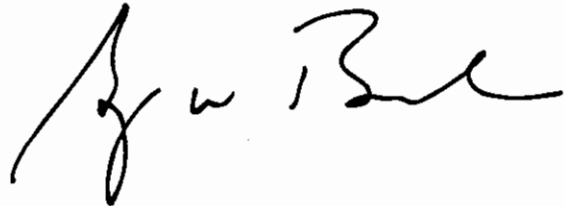
(a) convene not later than 1 year after the date of this order, and thereafter at such times as the Chairman deems appropriate, a White House Conference on Cooperative Conservation (Conference) to facilitate the exchange of information and advice relating to (i) cooperative conservation and (ii) means for achievement of the purpose of this order; and

(b) ensure that the Conference obtains information in a manner that seeks from Conference participants their individual advice and does not involve collective judgment or consensus advice or deliberation.



3802

**Sec. 5. General Provision.** This order is not intended to, and does not, create any right or benefit, substantive or procedural, enforceable at law or in equity by any party against the United States, its departments, agencies, instrumentalities or entities, its officers, employees or agents, or any other person.



THE WHITE HOUSE,  
August 26, 2004.

[FR Doc. 04-19909  
Filed 8-27-04; 11:31 am]  
Billing code 3195-01-P

RECEIVED

SEP 12 2004

U.S. DEPARTMENT OF JUSTICE

3803

February 17, 2005  
1810 Kingslake Blvd  
Naples FL 34112

Dear Col. Koning,

I am writing to you from Naples, Florida where I spend the winter months of January and February. I'm in Naples because I love the ocean and the clean beaches and look the nature (and improved) green spaces.

I also live in Falmouth and love its beaches and bays. I object to putting wind farms in the bay for several reasons:

- 1. environmental safety - the maintenance of these motors will require helicopter or supply boats. Where is the "platform" for the services

3803

2. This is private use of public spaces. No one group should have a profitable (or draw a salary) from this area.
3. Without tourism, the Cape cannot maintain its economy. Any risk of danger or potential danger can lead vacationers away.
4. What certainty do Cape residents have that though we are certainly the most affected group, that any electricity generated (study Kennetock bankruptcy) will benefit the Cape. Can we prevent the flow of electricity off Cape? No.

Please restudy your impact statement and deny this project before irreparable damage is

3

3803

done & one of the state's  
most precious resources.

Sincerely

Green Farde

52 Pheasant Lane

East Falmouth

MA 02536

EDDIE HIGGINS  
1416 Northeast 24th Street  
Wilton Manors, Florida 33305  
Ph. & Fax: ~~305~~ 565-5889  
954

3804

2/14/05

Dear Col. Koning,

I own a summer house on Cape Cod, where I spend 5 months a year. I sail frequently on Nantucket Sound and feel very strongly that The Cape Wind project would cause many negative effects on birds and other wildlife, not to mention water pollution from the transformer substation. The one positive (generation of electric power) is outweighed overwhelmingly by the negative aspects, in my opinion.

Please consider my position.

Thank you

Haydn "Eddie" Higgins  
2 Daniels Island Rd.  
Mashpee, MA 02649  
(summer address)

3805

G. Heulrup & Dorothy Sheward

29 Fells Rd

Falmouth, Ma. 02540

2/18/05

To: Save our Sound:

I fully support the  
effort to defeat construction  
of the wind farm.

Alternate sources of  
energy are essential, but  
placement of these "farms"  
must be controlled.

Sincerely

G. Heulrup Sheward  
Dorothy M. Sheward

RECEIVED

MAR 1 2005

02540

3806

**Michael Waldron**

---

72 Kevin Drive , Eules, Texas 76040

February 10, 2005 03:31 PM

Colonel Thomas Koning  
U.S. Army Corps of Engineers  
696 Virginia Road  
Concord, MA 01742-2751

Subject: Ensure 'Cape Wind' Project Is Safe for Wildlife

Dear Colonel Koning:

Before you approve or deny a permit to erect 130 turbines in Nantucket Sound, please require the developer to conduct the thorough studies recommended by the U.S. Fish and Wildlife Service and the Massachusetts Division of Fisheries and Wildlife.

Specifically, the environmental review of this project should include:

- Three full years of visual observations of birds - 12 months of radar observations of flying wildlife - A thorough and timely review of the project's potential effect on wildlife, including marine mammals

These factors will help determine whether the Cape Wind project is in the best interests of both the public and wildlife.

As it is written, the U.S. Army Corps of Engineers' draft environmental impact statement is hopelessly flawed, because it ignores relevant information and draws conclusions based on inadequate research.

This project could be the first marine wind energy facility in the United States. As such, it will set a precedent for other offshore renewable energy projects.

Please require a rigorous, scientific review of its environmental effects. Clean air and healthy wildlife populations are not mutually exclusive. We need both.

Sincerely,

Michael Waldron

*Michael A. Waldron*

RECEIVED

FEB 10 2005

U.S. ARMY CORP OF ENGRS

February 16 - 65  
Mrs. Harvey C. Knowles, Jr.

The Seasons #210

7300 Dearwester Drive

Cincinnati, Ohio 45236

3807

Dear Sir:

I am appalled at the  
plan to desecrate Vineyard  
Sound with a forest of wind-  
mills!

How many migrating  
birds will they kill? Perhaps  
thousands?

How many young sailors  
may be in jeopardy when  
caught in the predicted winds  
or fog + by tidal currents  
+ <sup>are</sup> lost in a maze of



3807

of screaming (?) towers

I wonder if a hurricane  
like 1937 went thru there  
into a very expensive  
heap of twisted rubbish?

How many really bad  
hurricanes have you  
been through?

Please think on these  
things - & act to put  
this project somewhere else  
or cancel it completely!

Thank you for your  
attention.

Marcia T. Knowles

Dr. Colonel

We live down the  
Cape + feel the  
Wind Farm is the  
Wray Decision!

That you  
Just + Brian  
Mellor

3808

# Atlantic States Marine Fisheries Commission

3809

1444 Eye Street, N.W., Sixth Floor  
Washington, D.C. 20005  
(202) 289-6400  
(202) 289-6051 (fax)  
www.asmfc.org

Preston P. Pate, Jr. (NC), Chair  
George D. Lapointe (ME), Vice-Chair

John V. O'Shea  
Executive Director

*Working towards healthy, self-sustaining populations for all Atlantic coast fish species, or successful restoration  
well in progress, by the year 2015*

February 18, 2005

Karen K. Adams  
Cape Wind Energy Project EIS Manager  
U.S. Army Corps of Engineers  
696 Virginia Road  
Concord, Massachusetts 01742-2751

Dear Ms. Adams:

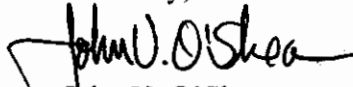
Thank you for the opportunity to comment on the proposed Cape Wind Energy Project in Nantucket Sound (#NAE-2004-338-1) to provide background information on the potential impacts of the project on fish, protected species, and the habitat of Horseshoe Shoals.

The Horseshoe Shoals area has been designated as Essential Fish Habitat (EFH) for scup, black sea bass, winter flounder and summer flounder by the National Marine Fisheries Service. The Commission is concerned about the potential for negative impacts of this project on ASMFC-managed fish, protected species and habitat, and that it will set the precedent of allowing offshore wind farms along the Atlantic coast. Sound science is needed to evaluate the impacts of this project as well as the cumulative impacts of other similar projects.

The Commission believes insufficient baseline data has been collected to support the DEIS, particularly regarding the spatial and temporal use of the area by marine life and by recreational and commercial fishermen. We are apprehensive about the prospect of this project moving forward without adequate knowledge of its implications for marine resources. We have developed two lists of detailed concerns regarding the Cape Wind Energy Project, one dealing with fish and habitat, and the other with protected species. These lists are included as Attachments A and B.

My staff contact on this issue is Elizabeth Griffin should you have questions.

Sincerely,

  
John V. O'Shea

Attachments

cc: Mark Amorello  
ASMFC Massachusetts Commissioners  
ASMFC Habitat Committee, Management & Science Committee, and  
Protected Species Committee

JVO/L05-025

**Fish and Habitat Related Comments**

**Construction:**

The report assumes short-term habitat loss/disturbance during construction may be temporary and, even so, it might be substantial during that time. In the report, it is generally assumed that species such as finfish will quickly recover from the disturbance and return to the site. Adequate evidence has not been presented to support that assumption.

The DEIS states that the area affected by cable-laying activities includes the trench area and adjacent area affected by skid pontoons. The area around the trench would be affected by redeposit of suspended sediment from the trench and therefore should be included in the calculation of benthic habitat affected.

**Species Composition:**

The potential for turbines and/or associated lighting to increase fish at the project site needs to be assessed. These changes may lead to unnaturally high concentrations of some species that could have implications for recreational and commercial fishing.

More information is needed on the potential effects of an electromagnetic field (EMF) and noise on the various life history of stages of marine species in the project area. There is the potential for EMF or noise to drive a species, their prey, or their predators out of the area, thus disturbing the sensitive ecosystem balance on Horseshoe Shoals.

Zucco and Merck's 2004 article "Ecological effects of offshore wind parks – Overview of present knowledge" (March 2004), notes that there are still large data gaps regarding impacts on benthic habitats and effects on fish fauna.

While this project would permanently eliminate a certain amount of benthic habitat, it would provide in-the-water structural habitat. This new habitat would primarily be transient use habitat where as the benthic habitat it would replace has year round function. These changes would benefit certain fisheries and have adverse impacts on others. These habitat changes and the associated fisheries impacts need to be addressed.

When discussing potential changes to fish community structure, the applicants fail to consider potential impacts to forage species, something that could affect fish, birds, and mammals. The loss or alteration of shoals habitat may have a profound effect on the abundance and distribution of these species.

Predator-prey investigations were not conducted to establish a baseline that could be used to help predict and monitor impacts on marine life associated with disturbance, displacement, and habitat loss effects.

A comprehensive review the effects of nearshore and offshore wind farms on migratory movement patterns and behaviors of fish throughout the annual cycle should be completed before this proposed project is considered.

## **Page 10 and Sediments:**

3809

The DEIS needs to adequately address the effects of the turbine platforms on ocean currents, especially in shallow water. These obstructions could change water circulation and thereby impact the migration, spawning, egg and larval transport and feeding habits of fisheries resources in the project area

The DEIS predicts some scouring around the base of the turbines (maximum 8 feet deep and 33 feet horizontally from each turbine). In order to mitigate these impacts, they are suggesting anchored scour mats, with artificial fronds to slow water velocity at the seabed, around each turbine. There could be serious implications on sand movement and placement in the Nantucket area due to scouring around the turbines and changes in water flow/currents.

The DEIS says there is the potential for 8 feet or more of scouring but does not discuss how this will affect cables buried at a depth of 6 feet. Cables that are not buried have potential to interact with fishing gear.

There needs to be an assessment of whether the wind farm will alter accretion/erosion rates on adjacent islands and sand shoals thereby affecting breeding, foraging, and roosting habitat availability for avian species and benthic communities.

### **Fishing Effects:**

Recreational and commercial fishermen catch numerous ASMFC-managed species on Horseshoe Shoals, including scup, black sea bass, summer flounder, winter flounder, menhaden, tautog, bluefish, striped bass and American lobster. The wind farm would occupy approximately 24 square miles. If the project is allowed to go through, the potential for post-construction exclusion of fishermen from the project site is very high for the following reasons:

- All access could become restricted for security reasons.
- Mobile gear fishermen will likely not be able to fish within the towers due to restricted maneuverability and potential hangs due to exposed power cables and armoring around the towers.
- Most recreational fishermen are not used to handling boats in strong eddies and would be at risk of collision with the bases of the turbines and other boats.
- USCG helicopters may not be able to fly within the project footprint to perform rescue activities, particularly during extreme weather conditions when they are most needed.

If this area is closed to fishing, the impacts to commercial and recreational fishing will be much more significant than those presented in the DEIS.

The analyses of commercial and recreational fisheries in the Nantucket Shoals area and the alternate sites relies on limited trawl survey data and raw MRFSS data, does not have estimates of recreational fishing participation and its contribution to the economy, and contains generalizations and comparisons not substantiated by data. Finfish resources are systematically underestimated, as are commercial catches and recreational fishing activity. The descriptions of finfish resources and recreational fishing, both of which are derived from admittedly limited sampling data, are neither supplemented nor extrapolated as would be required to result in a clear understanding of the subject matter. Please pay careful attention to the comments by the Massachusetts Division of Marine Fisheries on these topics.

Page

Attachment B  
Protected Species Related Comments

3809

**Marine Mammal Background:**

In the State Protected Species section, the statement "Gray seals have known year-round breeding and pupping grounds in Nantucket..." is misleading. Gray seals have a year-round presence, but breeding and pupping occur during winter. The phrase "year-round breeding" occurs throughout the material pertaining to gray seals. In the 2003 gray seal stock assessment report the text is "In the late 1990's, a year-round breeding population of approximately 400+ animals was documented on outer Cape Cod and Muskeget Island." This means that 'resident' animals are having pups and breeding.

The State Protected Species section also claims that "Generally, there is some adult seal movement south during spring and summer out of ...for pupping, as seen with harbor seals...", which is incorrect. Gray seal pupping throughout the western North Atlantic occurs during winter. There is likely an immigration of adult seals (likely from Canada) into Nantucket Sound prior to the pupping season. Likewise, there is likely emigration of adult animals following the pupping season.

Contrary to what is said in the harbor seal section, it does not seem likely that adult seals would remain in Nantucket Sound during the pupping & breeding period. However, there have been no systematic surveys conducted in Cape Cod waters during the pupping period.

It should also be noted that Harbor seals also use Monomoy, although in recent years gray seals comprise the largest proportion of hauled out seals.

The importance of Horseshoe Shoals as a foraging site for harbor seals and gray seals is unknown. Seal survey counts are confined to hauled-out animals. Seal foraging sites are best described using satellite/TDR tags. This work, however, has not been conducted in southern New England.

In Appendix 5.5-B, the Pinniped Assessment, the information on gray seal diet is overly generalized. Gray seal diet reported in Katona et al. (1993), pertains to both U.S. and Canadian waters. Capelin, lumpfish, and lumpscukers are not abundant in Nantucket Sound and adjacent waters. Scant data exist on gray seal diet in Nantucket Sound. The seasonal distribution portion of this appendix implies that the southern range of harbor seal distribution is Nantucket Sound. This is incorrect; they range as far south as New Jersey. It should also be noted that many forage species that depart New England waters in late autumn move into warmer shelf/break waters or along the mid-Atlantic coast. The lack of information on seal seasonal diets, movements, and foraging range precludes linking seal movements to prey migration. Seal diets likely differ on spatial and temporal scales.

**Construction:**

This DEIS discusses construction impacts on bird migration but fails to mention what lighting conditions are anticipated to support construction activities, especially during darkness and inclement weather. The applicant should develop a construction zone lighting plan designed to minimize at-sea night lighting impacts on sea turtles, marine mammals and birds during the construction period. The development of this plan should be done in consultation with the appropriate environmental agencies.

If the project goes through as proposed, construction should be done during the winter months when sea turtles are less likely to be in the area. If construction does occur during warmer months, trawl surveys for sea turtles

## Monitoring:

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Section 6, which describes the pre-, during- and post-construction monitoring efforts, was vague. A comprehensive monitoring plan complete with methods should be developed and reviewed by appropriate environmental agencies given that this project will set important precedent for future marine-based wind farms should it be allowed to go through.

If the project is allowed to go through, the monitoring should include water quality testing to detect the leakage of toxic fluids into the water that could be entering the food chain.

In case the project as currently described, or some version of it, does eventually get built, a revised or supplemental DEIS should be required. It should include not only detailed monitoring plans but also detailed mitigation plans regarding possible impacts to the habitat, marine resources, and fishermen. If post-construction monitoring were to show significant problems, there is currently no plan for mitigation. If potential problems cannot be mitigated, that should be known before consideration of the project moves forward.

## Cumulative and Long-Term Effects:

The authors should broaden the discussion of cumulative impacts to include impacts on marine organisms from fisheries interaction, habitat loss through coastal development, military activities, and mining or drilling in the area.

There are two other projects currently being considered that could have serious implications for the Nantucket Shoals area. The first is a proposal on the table to mine at least 1 million cubic yards of sand from the Nantucket Shoals area, with additional amounts to come for maintenance. In addition, the Town of Barbstable has started forming an agreement with MMS to mine sand from Horseshoe Shoals. The cumulative effects of these two activities need to be considered in along with those from the proposed Cape Wind Project.

If the project is completed as proposed, consultation with appropriate environmental agencies should occur during the development of the cable repair plan. Consultation should also occur well before the decommissioning of the wind farm to reduce environmental impacts during the deconstruction phase.

The DEIS claims that no cumulative effects to benthic resources are expected, and that any impacts are expected to be localized and temporary. As the document identifies a number of recurring activities that disturb the benthic environment such as cable laying during repairs, it seems intuitive that cumulative effects would result.

The level of risk of damage to marine resources seems incredibility high for a proposed project that according to the DEIS, has an approximate design life of 20 years, after which the decommissioning of the project would occur.

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should be conducted within 24 hours of the installation of the submarine cables following protocols established by NMFS for federal navigation channel dredging. Any turtles captured should be tagged and relocated outside of the construction zone.

There are several subsections pertaining to disturbance of gray seal and harbor seal haul out and breeding grounds. These subsections denote that the closest haul out and pupping sites are seven and ten nautical miles from the wind farm. It is also stated that seals are not likely to be adversely affected by project construction, operation and maintenance. However, we are not aware of any wind farms that are sited within ten miles of a major pupping colony. Therefore if the windmills are built, monitoring of the pupping site during the construction phase should be required.

The potential impact on the Muskeget Island gray seal pupping colony is unknown. Constructing and funding a temporary field station on Muskeget would provide an excellent opportunity for monitoring the pupping season during the wind farm construction phase.

The applicant proposes to place a NMFS certified observer on-site during the initial construction activities. This is insufficient, since it will only provide information on marine mammal presence/absence adjacent to the construction site. If the windmills are built, monitoring should be enhanced by: 1) placing observers on the supply vessels that transit Nantucket Sound, 2) conducting systematic aerial surveys around adjacent seal haul out sites, and 3) placing satellite tags on a sample of gray and harbor seals.

#### **Risk of Bird Collision:**

The authors assume a low collision risk for species determined not to fly at the height of the rotor blades. However, flight altitude varies not only by species but also by behavior and weather conditions. The applicant should be required to quantify diurnal and nocturnal flight direction and altitudes of migratory waterbirds and landbirds that forage in or pass over the project area and determine what factors (e.g., climatic conditions, lunar phase, tide cycle, etc.) significantly influence flight patterns before a final decision is made on the proposed windfarm.

The writers of the avian section repeatedly attempted to use the 210 birds observed in the rotor zone during those surveys as the basis for analyzing airspace impacts in the rotor-swept zone. Incomplete as it is, the two-month radar study with 127,697 targets in the rotor-swept zone is sufficient to demonstrate that the boat and aerial survey estimates for birds in the rotor-swept zone are unreliable.

The data on the temporal use of the rotor-swept zone and adjacent airspace by birds is insufficient. Radar data was collected in May and September 2002, but no data was collected in the other 10 months of 2002, and none for any month in any other year. Coastal areas such as Nantucket Sound have large numbers of birds present during all parts of the year. Accordingly, the impact evaluation needs to consider all 12 months, not just May and September.

Until additional field data is collected to establish a reliable baseline on the number of birds in the rotor-swept zone and their species composition, statements about population-level effects are premature at best. We do not believe that the applicant has collected sufficient baseline information to defend the statement that impacts would not be biologically significant. The applicant has not conducted studies to demonstrate what the spatial and temporal uses of the airspace are by birds in 10 of the 12 months of the annual cycle, and has no information on what species of birds migrate through the rotor-swept zone during any month. Without knowing what species could be impacted, making predictions that no cumulative impacts to bird populations would occur seems to be unsupportable.



P 082

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The report places too much emphasis on bird fatality estimates based on terrestrial species, which do not equate behaviorally or otherwise to marine species. Most seabirds are long-lived species with low reproductive rate. Little is known about the population levels of most migratory seabirds so it is unclear as to what level of mortality they can sustain.

The literature search regarding bird fatality from collisions with wind turbines should be broadened. If it has been "extensively studied" in both the U.S. and Europe as indicated in the report, then the authors need to include additional studies other than Erickson et al. 2001 to give a more balanced view. For example, in the European literature such as Birdlife International 2003, Everaert, et al. (2002) reports estimated bird mortality at 0-125 birds per turbine per year.

Over 25% of the Atlantic Coast Piping Plover breeding population occurs north of the wind farm project area. It is very likely these birds travel over Nantucket Sound during spring and fall migration, which may result in significant mortality. As such, further study is needed to determine plover flight path (i.e., flight direction and altitude) within the vicinity of the project area. Research is also needed to ascertain whether the Sound provides stopover habitat for plovers.

### **Migration Barriers:**

The DEIS claims that operating turbines are not likely to present a barrier to migrating birds or birds flying to and from foraging areas is overly broad. While it is true that some species would likely be unaffected, other species may be affected. Zucco and Merck's 2004 article "Ecological effects of offshore wind parks – Overview of present knowledge" (March 2004) indicated that some investigations on migrating birds showed barrier effects and displacement of migration routes. It is also possible that wind farms may disrupt flock formation as birds attempt to avoid the structures.

If the wind farm is built, there should be a discussion on the feasibility of shutting down wind farm operations during biologically sensitive periods (e.g., peak waterbird migration periods). This is a common practice for power plants, which are often mandated to reduce intake flow during certain times of the year such as fish spawning periods.

A comprehensive review is needed on the effects of nearshore and offshore wind farms on migratory movement patterns and behaviors of sea turtles and marine mammals throughout the annual cycle.

### **Species Composition:**

The potential for turbines and/or associated lighting to increase the prey base of fish eating birds at the project site needs to be assessed. This increased lighting may lead to unnaturally high concentrations of these species in the area and increase the risk of collision fatalities, particularly among aerial divers.

The potential exists for turbines and/or associated lighting to increase sea turtle and marine mammal prey bases. Increased prey could result in abnormally high densities of sea turtles and marine mammals in the project area and may interfere with their migratory movement and behavior patterns by prolonging their stay. Moreover, if turbines enhance fish populations at the project site, it is likely that recreational and commercial fishing effort (and traffic) will increase in the area as well. This may put sea turtles and marine mammals at greater risk of incidental capture in fishing gear and/or getting struck by boats.

More information is needed on the potential affects of an electromagnetic field (EMF) on the various life history stages of marine species in the project area. There is the potential for EMF to drive a species, their prey, or their predators out of the area, thus disturbing the sensitive ecosystem balance on Horseshoe Shoals.

Zucco and Merck's 2004 article "Ecological effects of offshore wind parks – Overview of present knowledge" (March 2004), includes a reduced density and acoustic activity of harbor porpoise in the list of wind farm impacts. The article also notes that there are still large data gaps regarding impacts on benthic habitats and effects on fish fauna.

Green turtles should be included in the list of species that have the potential to occur in Nantucket Sound.

### Monitoring

If the wind farm is allowed, all post-construction monitoring of avian and marine resources should be conducted year round (12 months) for a period of three years rather than just one year to account for annual variation in the occurrences (and behavior) of protected species that could potentially be impacted by the operation of the wind farm.

Post-construction monitoring of marine mammals and sea turtles should be separate from monitoring of avian resources given the vast differences in monitoring methodologies.

If the project goes through, we are concerned over the ability to accurately monitor the impacts of this site if monitoring mortality rates relies on the occurrence of dead birds or other organisms. It is important to note that animals often do not strand or remain floating when they die in the marine environment, but sink and disappear. This may not allow us to get an accurate picture of the impacts.

To date, estimates of the impact on birds from wind turbines come from studies of comparatively small onshore wind turbines. To assess the actual impact of these new wind farms, detailed studies on pilot offshore wind farms are essential, Especially since the production of offshore wind turbines is expected to increase due to the federal tax credits designed to fuel the growth of wind power. As recommended by Exo, Hüppop, & Garthe, in their 2003 article "Birds and offshore wind farms: a hot topic in marine ecology", the following three items should be considered: 1) The studies should include long-term comparative studies before and after installation of a wind farm as well as synchronous investigations in unaffected reference/control areas. 2) Remote observation techniques, such as radar, and thermal imaging video cameras should be utilized to obtain data on bird use of the area before and after wind farm development. 3) It is important to record (through visual observations and flight calls) movements of migrants and foraging birds and behavior in response to construction activities and turbines (e.g., avoidance).

If the windmills are built, the applicant proposes to place a NMFS certified observer on-site during the initial construction activities. This is insufficient, since it will only provide information on marine mammal presence/absence adjacent to the construction site. Monitoring would be enhanced by: 1) placing observers on the supply vessels that transit Nantucket Sound, 2) conducting systematic aerial surveys around adjacent seal haul out sites, and 3) placing satellite tags on a sample of gray and harbor seals.

In a play-back experiment (Koschinski et al. 2003) conducted off Vancouver, BC, both harbour seals and harbour porpoises were able to detect the low-frequency sound generated by offshore wind-turbines. Both species exhibited avoidance behavior to the sound source. Further, the rate of harbor porpoise echolocation clicks increased significantly, as compared to the control (sound source off). If the proposed project is allowed, research needs to be done both before and after construction to see if the marine mammal use of the area changes with the addition of the wind farm.

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**Cumulative Effects:**

The authors should broaden the discussion of cumulative impacts to include impacts on seabird populations and other marine organisms from fisheries interaction, habitat loss through coastal development, military activities, and mining or drilling in the area.

The DEIS should also address that there is a very strong probability that more turbines may be built off the U. S. northeastern Atlantic coast in the foreseeable future and their cumulative impact on seabird and other marine populations.

3809

2-19-05

3B10

Dear Sirs,

In regards to all the past info on the Windfarm, I have several questions I believe that are important to the great number of boaters in this area. My Dad and I fished this area for over 22 years.

My questions are:

- 1) Are the cables from the towers going to be buried under the shallow ocean floor or lie on top?
- 2) What effect will the mega-watts have on a small boat compass?

If the cables are lying on top of floor, does this not make it a no anchor area of 24 square miles?

years ago when we boated in Boston Harbor area we used to see cable crossing signs saying no anchor there.

This area is too beautiful to ruin for the small returns to our citizens of Cape Cod and too costly of our tax monies.

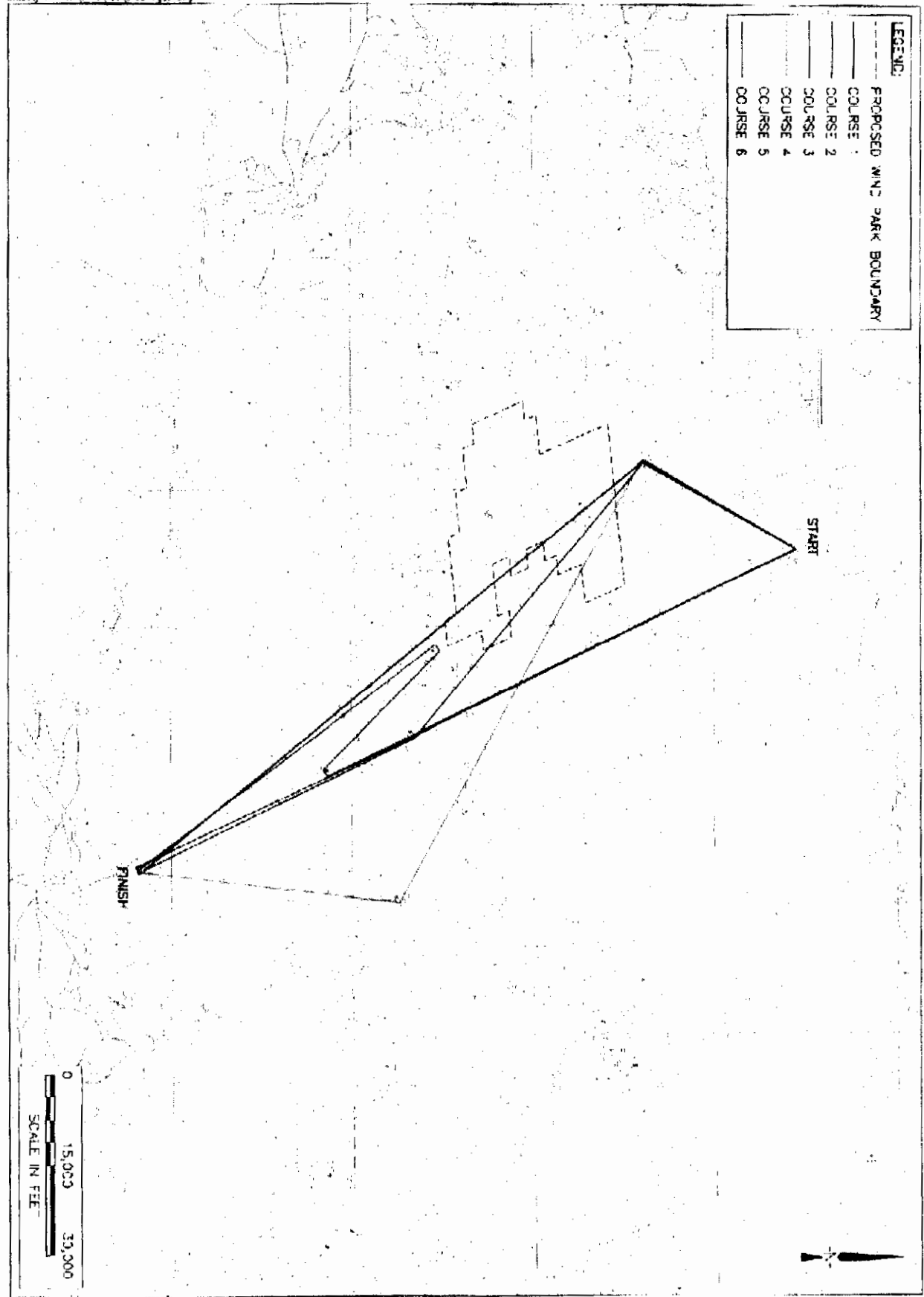
Respectfully  
Don Harding  
Mashpee



Mr. Don & Natalie Harding  
310 Main St.  
Mashpee, MA 02649-2044

3810

Drawing 40 - 11/17/03/100/E/50-figa1.dwg



February 17, 2005

3811

Dear Army Corps of Engineers;

I wanted to write a letter to add my voice of **approval** for the upcoming wind farm permit application.

The reasons for my support are quite simple to me.

Our **need** for electricity continues to grow. So we have but a few choices:

- Raise the price for electricity and let the market settle it out
- Build new nuclear power plants
- Build new or expand existing fossil fired plants
- Force cutbacks in consumption (rationing)
- Commit to a long term program of reducing demand (energy efficiency)
- Commit to a long term program toward national energy independence

Of all these choices, I support **lowering** the demand for further

- Green house gas emissions
- Increasing dependence of foreign oil
- Increasing the rate at which US capital leaves our country to enrich others outside our borders
- Increasing the need to use military force to ensure access to foreign energy sources

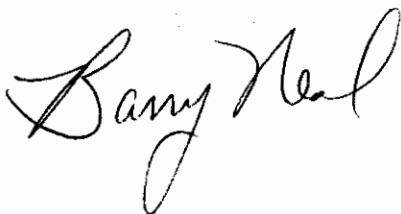
---Am I happy to see the hand of man in such places as Nantucket Sound-well no not really. But the wind farm represents a defensible compromise necessitated by the realities of our life and times.

---Do I think the wind farm will solve our energy problems? No I don't but it's a move in the correct direction.

---Do I think we are selling our resources to private industry? No more than the logging, mining, gas and oil, fishing industries already enjoy as a matter of existing national policy.

---Do I believe the wind farm will make a difference? Yes. Policy established right here will indicate our acknowledgement that the status quo is no longer in our national interest.

Barry Neal  
Sandwich, Massachusetts (next to the canal electric power plant)



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FEB 22 2005

10:11 AM

3012

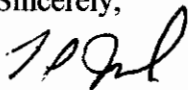
Dear Sirs,

I am a Selectman in the town of Tisbury on Martha's Vineyard and I would like to list some of my concerns about the proposed Cape Wind Project.

- 1) The lack of Federal and State rules and regulations with regard to the use of Nantucket Shoals and other similar public waters with regard to private wind energy generation. Time should be allowed to promulgate guidelines before giving out permits.
- 2) The fact that this is a private development and the complex nature of the national energy grid makes demonstrable direct benefit to the region unclear. The fact that this is not a public project makes the detriments to outweigh the positives.
- 3) Not enough information has been gathered with regard to the impacts and changes to the seabed caused by the wind turbines and its impact on the marine life in the area of the proposal. The many pads needed to support the turbines will surely create changes that appear understated in the Draft EIR. The testimony of many fishermen who are intimate with the area seems to have been downplayed.
- 4) Alternate locations are available including Mass Military Reservation and other offshore sites that would have far less impacts to the surrounding environment. Deep-water technology has improved to the point where it has become feasible from technical and economic points of view.

The idea of Wind Power is certainly laudable but the location of Cape Wind's proposal in such a fragile and important economic area makes this project one that should be turned down. Thank you for your careful review.

Sincerely,



Tristan Israel

RECEIVED

FEB 20 2005

U.S. DEPARTMENT OF THE INTERIOR

**James Eastman**  
**923 Old Post Rd.**  
**Cotuit MA 02635**  
508-420-2178

3813

Feb. 18, 2005

To: Col. Thomas Koning  
U.S. Army Corps of Engineers  
696 Virginia Road  
Concord, MA 01742

Re: Cape Wind Energy EIS Project

Dear Col. Koning:

The USACE is to be commended for its efforts to collect relevant data regarding many environmental factors involved in evaluating the Cape Wind Energy EIS Project. But, unfortunately, some of the conclusions reached in the DEIS appear to be biased, and unsupported by the facts. The analysis ignores significant environmental controls that exist in the areas surrounding the project, but reaches far beyond its boundaries to include benefits that are largely unsubstantiated.

The most significant bias is in the discussion of the benefits of the project. While the DEIS carefully defines the project area in Nantucket Sound, and limits its assessment of environmental impacts to that area, when it addresses benefits ("socioeconomics") it reaches far beyond the direct impacts of this project. It describes benefits which are unquantified, or speculative at best, for reducing the cost of electricity in New England, reducing the use of foreign oil, improving air quality, and reducing global warming. But the DEIS also recognizes that the project clearly would be a part of the NE power grid. For a realistic perspective on the potential benefits of the project questions such as the following should be answered, relative to the power grid of which it will be a part:

- How will the project affect the portion of total demand on the grid that is met by renewable energy sources?
- What effect will it have on the demand for foreign oil for the grid?
- What effect will it have on air pollution in NE? on the sources of global warming?
- If the project is just the first of many that will be necessary to make a significant impact on those environmental factors, how does it lead to further development of renewable energy sources in the grid? What is the long term plan?

Significant, quantifiable benefits would be necessary to justify the environmental impacts the project would have on Nantucket Sound; even just those identified in the DEIS.

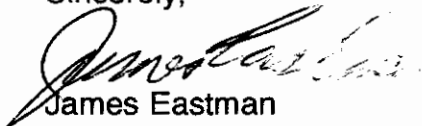


But in addition to the environmental impacts described in the DEIS, it ignores a major environmental factor relevant to any large scale industrial development in Nantucket Sound. Although the DEIS may be technically correct by covering only an area defined by an imaginary line in the water, drawn years ago to describe the "three mile state territorial limit", the practical reality is that the areas surrounding that line are subject to regulation by state and local agencies which have never approved any development even approaching the scale of the Cape Wind proposal. The fact that the shores of Nantucket Sound are not lined with high rise resort hotels and condominiums, ala Atlantic City and Myrtle Beach, is not due to a lack of development pressure; it is because the citizens of the Cape and the Islands have supported governments and agencies which would prevent over-development.

Over many years those citizens have taken a stand, with their votes and their tax dollars, for preserving the basic character of the Cape and the Islands. They supported the National Seashore; they approved a Commission with regulatory powers over the entire Cape; they assessed themselves for a land bank; and they support many local government and private efforts to preserve land areas, bays, and shorelines. A huge industrial development, in the centerpiece of the area, would be a "sharp stick in the eye" of everyone who has supported those preservation efforts over the years. That imaginary line in the water cannot be a fence around a development that is totally out of scale, and out of character, from the surrounding area.

To remove the apparent bias and present credible conclusions the DEIS should be revised to put the expected benefits of the project in a realistic perspective, and to recognize the environmental standards that have been applied to the surrounding areas. The project area is not an isolated "off-shore" section of the ocean; it is an integral part of a unique combination of land and water that has attracted many people for many years; to visit, to return year after year, and to settle in. An industrial development in Nantucket Sound of the scale proposed by Cape Wind would be a monument to "bureaucratic myopia".

Sincerely,



James Eastman

RECEIVED

JUN 22 1995

U.S. DEPARTMENT OF COMMERCE

PO Box 134

Mashpee, MA 02649

February 18, 2005

To Colonel Thomas Loring; 3814

I cannot understand why Cape Wind project was even considered for Nantucket Sound. I thought Nantucket Sound belonged to all of us - not just one person. Nobody asked me for permission to build the windmills (hideous, too). I have been here, seasonally since 1940, and permanently since 1986, paying taxes all the while. I feel I have a say in this matter. I think the realization of a lot of money lining the pockets of Cape Wind's pockets was the reason for suggesting Nantucket Sound.

My relative in California told me how the birds are killed by the windmills as they (the birds) fly south. Also, there's a lot of neglect in the care of the

windmills - some are not used -  
just rusting.

3814

Then we also have the fishermen  
who make their living fishing, the  
boats - both pleasure and work, the  
birds, the airplanes, the tourists and  
the unsightly looks of the windmills  
to consider.

There is another place somewhere  
on a high hill that will produce  
enough wind for the windmills to  
work.

Think hard, Colonel Korix!

Thank you.

Yours truly,

Marie Haynes

There are still more  
**large** reasons important — to add  
to the list against Windmill  
in Nantucket Sound

3B15

Adams, Karen K NAE

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**From:** Peter Cook [cook@temple.edu]  
**Sent:** Wednesday, February 16, 2005 12:04 PM  
**To:** Energy, Wind NAE; mepa@state.ma.us; info@capewind.org  
**Subject:** Cape Cod wind farm support

Hello,

We are absolutely in favor of the Cape Cod wind farm. We regularly support the wind farms in Pennsylvania by contributing extra money to our electric bill as part of the local energy cooperative.

We are summer renters - two weeks every August - and we are also people who like cool technologies and see Massachusetts as the place to be in the US if you want to be on the cutting edge. We don't see any problem with the view of an off coast wind farm - to me, as a part time metal sculptor, they will look like sculptures on the horizon!

And I selfishly don't mind if some folks will want to move away when the wind farm is built. We have been thinking about moving to the Cape sometime in the future - all the more property available to us if they decide to move.

The wind farm won't harm the tourism industry - the new tourists may well be a little more techie and geeky!

For geeky tech people like us who expect to running our own in house multimedia company in the Falmouth area sometime in the near future - I say horray for the forward thinkers on the Cape - that's the spirit we will be looking for there - whether it be during a summer visit or as permanent residents.

Don't fear the future - embrace it.

Peter Cook

**Adams, Karen K NAE**

3816

**From:** Robert W. Wolff [rwwolff@innevi.com]  
**Sent:** Wednesday, February 16, 2005 12:13 PM  
**To:** Energy, Wind NAE  
**Subject:** Message in support of Wind Energy Project off Cape Cod

Hello,

I strongly support the project contemplated to collect energy from wind turbines off Cape Cod.

I have worked on the Cape and have visited often since 1959. I think seeing the wind turbines when boating adjacent the cape would be a reminder to many that the USA is moving toward clean energy.

There is a wind turbine in view of my property here in central Vermont. It doesn't damage the view of the landscape, doesn't cause noise or any visual clutter. And, it is a reminder that we are properly husbanding the earth. In the next few years I am hoping that a larger installation is erected on that site so that more power can be collected without burning anything.

Please register my firm support for this project.

Sincerely,

Robert William Wolff  
PO Box 98  
Randolph VT 05060-0098  
802 728 7071

2/23/2005

3017

**Adams, Karen K NAE**

---

**From:** Duggan, Sean M [SDUGGAN@PARTNERS.ORG]  
**Sent:** Wednesday, February 16, 2005 1:37 PM  
**To:** Energy, Wind NAE  
**Cc:** 'anne.canaday@state.ma.us'  
**Subject:** Comment on Cape Wind project

Hello,

I own a condo on Admirals Hill in Chelsea. Within approximately 2 miles of my home you can find the Everett LNG facility, storage tanks containing heating Oil, Gasoline and Jet Fuel and one of the dirtiest power plants in the state.

With weekly deliveries of LNG to the Everett facility and countless Oil/Fuel tankers sailing past my home I think I'm more aware than most of what it takes to feed our thirst for energy in this region.

With that as a background I'd like to voice my opposition to the Cape Wind project. It seems to me that their main argument is based on the fact that horseshoe shoal is the "best" site for a wind farm. If that's the overriding decision factor, let me suggest an even better site.

The center median of the mid-cape highway.

That would have to be a cheaper and more desirable site than out in the middle of Nantucket sound.

If that sounds like a silly proposal, I submit that it's no more silly than building the project in the center of Nantucket Sound.

Fortunately, the median of route 6 is managed by state agencies with the power to prevent outrageous development schemes. For Nantucket sound, we're left only with the Army Corps of Engineers to keep private developers from destroying a treasured natural resource like Nantucket Sound.

I urge you to stop this project before it goes any further.

Thank You,  
Sean M. Duggan  
50 Boatswains Way Unit 113  
Chelsea, Ma 02150

3B1B

Adams, Karen K NAE

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**From:** Steve Dolan [stevedolan56@hotmail.com]  
**Sent:** Wednesday, February 16, 2005 12:20 PM  
**To:** Energy, Wind NAE  
**Subject:** wind farm project

this project is a no-brainer!  
the benefits clearly outweigh any detriments.

sincerely,  
steve dolan  
67 west way  
mashpee ma



3819

**Adams, Karen K NAE**

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**From:** Reah Janise Kauffman [rjkauffman@earth-policy.org]  
**Sent:** Wednesday, February 16, 2005 2:27 PM  
**To:** Energy, Wind NAE  
**Subject:** cape wind energy project

TO: Karen Kirk-Adams  
Cape Wind Energy EIS Project Manager  
U.S. Army Corps of Engineers

Dear Ms. Kirk-Adams:

During a recent trip to Cape Cod I saw the smokestack of the oil-burning power plant as I crossed the Sagamore Bridge and I looked at the plans for an offshore wind farm proposed for Nantucket Sound. To me, these images represent the energy past and the energy future for this beautiful, but fragile, coastal peninsula.

One reason we continue to rely so heavily on fossil fuels to supply our energy is that the markets do not tell the ecological truth. The price of a ton of coal or a barrel of oil does not reflect the ecological and health damage that result from burning these fuels nor do they reflect the vast subsidies lavished upon them.

In the United States, oil and gas companies are now perhaps the most powerful lobbyists in Washington. Between 1990 and 2002, they amassed \$154 million in campaign contributions in an effort to protect special tax rates worth billions. In testimony before the House Ways and Means Committee in 1999, Donald Lubick, U.S. Treasury Assistant Secretary for Tax Policy, said in reference to the oil and gas industry, "This is an industry that probably has a larger tax incentive relative to its size than any other industry in the country."

Fossil fuel subsidies are largely hidden from taxpayers, such as the depletion allowance for oil production in the United States. Even more dramatic are the routine U.S. military expenditures to protect access to Middle Eastern oil, which are calculated by analysts at the Rand Corporation to fall between \$30 billion and \$60 billion a year, while the oil imported from the region is worth only \$20 billion.

Consider one of the other costs we face from burning fossil fuels—sea level rise caused by climate change. The most easily measured effect of rising sea level is the inundation of coastal areas. Donald F. Boesch, with the University of Maryland Center for Environmental Sciences, estimates that for each millimeter rise in sea level, the shoreline retreats an average of 1.5 meters. Thus if sea level rises by 1 meter, coastline will retreat by 1,500 meters, or nearly a mile. During the twentieth century, sea level rose by 20-30 centimeters (8-12 inches). The Intergovernmental Panel on Climate Change projects a rise of up to 1 meter during this century.

A team at the Woods Hole Oceanographic Institute has calculated Massachusetts's loss of land to the rising sea as warming progresses. Using the rather modest U.S. Environmental Protection Agency projections of sea level rise by 2025, they calculated that Massachusetts would lose from 7,500 to 10,000 acres of land. Based on just the lower estimate and a nominal land value of \$1 million per acre for ocean-front property, this would amount to a loss of at least \$7.5 billion of particularly expensive property by then. Some of the 72 coastal communities included in the study would lose far more land than others. Nantucket could lose over 6 acres and Falmouth 3.8 acres a year.

Coastal real estate prices are likely to be one of the first economic indicators to reflect the rise in sea level. Those with heavy investments in beachfront properties will suffer most. A half-meter rise in sea level in the United States could bring losses ranging from \$20 billion to \$150 billion. Beachfront properties are becoming hard to insure—as many homeowners in Florida and now on Cape Cod have discovered.

Shifting to renewable sources of energy, such as wind power, opens up vast new opportunities for lowering fossil fuel dependence. Wind offers a powerful alternative to fossil fuels—a way of dramatically cutting carbon emissions. Wind energy is abundant, inexhaustible, cheap, widely distributed, climate-benign, and clean—which is why it has been the world's fastest-growing energy source over the last decade.

Wind energy does not produce sulfur dioxide emissions or nitrous oxides to cause acid rain. Nor are there any emissions of health-threatening mercury that come from coal-fired power plants. No mountains are leveled, no streams are polluted, and there are no deaths from black lung disease. Wind does not disrupt the earth's climate.

The principal cost for wind-generated electricity is the capital outlay for initial construction. Since wind is a free fuel, the only ongoing cost is for maintenance. Given the recent volatility of natural gas prices, the stability of wind power prices is particularly appealing. With the possibility of even higher costs of natural gas in the future, natural gas-fired plants may be used increasingly as a backup for wind-generated electricity.

The energy future belongs to wind. The world energy economy became progressively more global during the twentieth century as the world turned to oil. It promises to reverse direction and become more local during the twenty-first century as the world turns to wind, wind-generated hydrogen, and solar cells. Wind and wind-generated hydrogen will shape not only the energy sector of the global economy but the global economy itself.

Sometime back my son called to tell me about a wind farm he had seen while driving on one of the Interstates in West Texas. He said you could see the rows of wind turbines receding toward the horizon and interspersed among the wind turbines were oil wells. The wind turbines were turning and oil wells were pumping. The striking thing about this image, he said, was that he was seeing the future and the past meet. He was looking at the energy transition. I said if you go back 35 years from now, the wind turbines will still be turning, but the oil wells will not likely be pumping.

One day, I hope to return to Cape Cod and to see the graceful wind turbines on the horizon and to join the other tourists who take the boat tour to learn about a region meeting its energy needs in a safe, clean and sustainable way. I believe the wind farm will become a beacon of hope to visitors and a source of pride to the local community.

Sincerely,

Lester Brown  
 President  
 Earth Policy Institute  
 1350 Connecticut Ave., NW, Suite 403  
 Washington, DC 20036  
[lesterbrown@earth-policy.org](mailto:lesterbrown@earth-policy.org)  
[www.earth-policy.org](http://www.earth-policy.org)  
 t: (202) 496-9290  
 f: (202) 496-9325

**Adams, Karen K NAE**

3821

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**From:** Ken McKinley [evilchicken00@hotmail.com]  
**Sent:** Wednesday, February 16, 2005 2:27 PM  
**To:** Energy, Wind NAE  
**Subject:** Cape Wind

To Whom It May Concern:

Kyle Magida, Timothy Schmidt, and myself, are Harvard undergraduates who recently performed an analysis of the Cape Wind project for a final class project. We decided to forward our findings to the Corps of Engineers in the hope they will be some help in assessing the feasibility of this project. Please see attached.

Kenneth W. McKinley  
mckinley@fas.harvard.edu  
1993 Harvard Yard Mail Center  
Cambridge, MA  
02138-7509  
(570)-594-5606

Timothy Schmidt  
tschmidt@fas.harvard.edu

Kyle Magida  
kmagida@fas.harvard.edu

2/23/2005

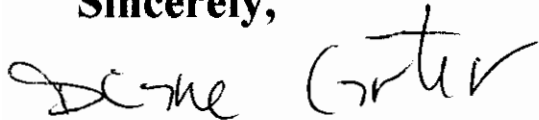
3822

2/21/05

Dear Colonel Thomas Koning,

I am writing to you in the hope that you will reconsider the Cape Wind Draft Environmental Impact Statement. In my opinion that statement is inadequate for many reasons. I am very concerned about air and boat navigation safety, impacts to birds and other wildlife, visual pollution and the associated economic and tourism impacts to the entire area of Cape Cod and the Islands. I am most concerned about the very probable pollution threats from oil on the transformer substation. I think there needs to be a serious analysis of alternative sites. Thank you for your time.

Sincerely,



**Diane Carter**  
**66 Harvard Ave**  
**Brookline, Ma 02446**

RECEIVED

FEB 22 2005

U.S. AIR FORCE

EXECUTIVE OFFICE OF ENVIRONMENTAL AFFAIRS  
ATTN: MEPA, ANNE CANADAY, EOE # 12643  
100 CAMBRIDGE ST SUITE 900  
BOSTON, MA 02114

3823

THIS IS A COPY OF A LETTER SENT TO

Sir/Madam,

2/15/05

I HAD BEEN SITTING ON THE FENCE,  
ABOUT THE WINDMILL PROJECT, WEIGHING OUT  
BOTH SIDES. WHEN I HEARD ON THE  
RADIO THAT THE ARMY CORP. OF ENGINEERS  
HAD APPROVED THE PROJECT I KNEW  
IMMEDIATELY IN MY HEART AND IN MY  
STOMACH ~~THAT~~ I AM OPPOSED COMPLETELY  
TO THIS PROJECT.

~~THE~~ REASONS ARE:

- ① THE PROJECT IS BEING DONE BY  
A PRIVATELY OWNED COMPANY.
- ② THEY ARE NOT ASKING TO PUT UP  
TEN <sup>WINDMILLS</sup> OR TWENTY FOR A ~~TRIAL~~ TRIAL  
TO SEE WHAT MIGHT HAPPEN TO  
WITH WINDMILLS IN NANTUCKET  
SOUND. THEY ARE REQUESTING (130)  
ONE HUNDRED AND THIRTY ALL AT  
ONCE.
- ③ NANTUCKET SOUND IS SHALLOW AND

130  
SHOALS. WHAT MIGHT HAPPEN WHEN BIG  
CONCRETE BLOCKS ARE SET OUT THERE? WE  
DON'T KNOW

~~FOUR~~

TOO MANY PEOPLE AND ANIMALS  
TRAVEL THROUGH THIS AREA. WITH  
THIS COULD MAKE TRAVEL A HAZARD FOR  
BOTH

⑥ THE VIEW WILL BE CHANGED <sup>NEGATIVELY</sup> IN A  
BIG WAY.

⑦ THE BENEFIT IS SMALL COMPARED  
TO THE MANY NEGATIVE EFFECTS AND  
THE MANY MORE UNKNOWN EFFECTS OF  
THIS PROJECT.

PLEASE VOTE NO

3879  
3823

PLEASE CONSIDER AN ON LAND ~~SIDE~~  
SITE SUCH AS THE AIR FORCE BASE  
(OR ANY GOLF COURSE)  
FOR A PUBLICLY OWNED AND OPER-  
ATED WIND FARM.

SINCERELY,

SUZANNA NICKERSON  
PO BOX 2265 (#2 FLAMINGO DR)  
EDGARTOWN, MA 02539  
508-6273340

3024

John J. Koski  
Sandra A. Koski  
30 Countryside Drive  
Chatham, MA 02633  
February 17, 2005

Colonel Thomas Koning, U.S. Army Corps of Engineers  
696 Virginia Road  
Concord, MA 01742

Dear Colonel Koning,

We, the under-signed, feel the *Cape Wind Draft Environmental Impact Statement* is inadequate in many areas. The safety and the environmental hazards we perceive are ambiguous and biased with regard to air and boat navigation safety, impacts to birds and other wildlife, pollution threats from oil on the transformer substation, visual pollution and associated economic and tourism impacts and the analysis of alternative sites.

We hope you look favorably upon this request from us to completely stop the construction of this wind turbine project.

Sincerely,

John J. Koski  
Sandra A. Koski

John J. Koski  
Sandra A. Koski

RECEIVED

FEB 20 2005

U.S. ARMY CORPS OF ENGINEERS

Abigail C. O'Brien  
PO Box 416  
Osterville, MA 02655

Feb. 15, 2005

3825

RECEIVED

Colonel Thomas Koning  
U.S. Army Corps of Engineers  
696 Virginia Rd.  
Concord, MA 01742

Dear Colonel Koning,

Cape Wind & their D.E.I.S, have a pretty transparent agenda. Do anything they can to secure this particular site for their power plant. Finding a cleaner source of Energy is not what they are interested in. Making money is what they want to do. They are not telling you the truth. Their studies are self serving & one sided. They don't address the true danger their project will put the public in. Most of the people who live on the Cape & Island can't believe Cape Wind has gotten as far as they have with <sup>(according to Cape Wind, that is...)</sup> getting approved. They have conducted their own studies, not objectively, therefore, flawed, as a result, Cape Wind's statements should be completely discounted.

We have an overabundance of energy, so clearly this plant is not needed. Why don't we clean up or



Secure nuclear power plants, which we already have?  
Nuclear energy is clean, efficient, ~~not~~ dangerous. The only  
thing we need to address with Nuclear Energy is Nuclear  
waste. But the waste can be taken care of and disposed of  
properly. We may need to update the already existing  
plants if we want to switch from fossil fuels + dependence  
on foreign oil over to Clean Nuclear. Wind power plants  
are a threat to public safety, a guaranteed source  
of pollution, and allowing a president to be set, by permitting  
Cape Wind to advance really puts our entire coast line  
in jeopardy. Has anyone even thought of the security  
risk wind plants located in the Atlantic Ocean  
just off U.S. coastline would present? If nothing else  
we should pay attention to that threat.

Thankyou for reading this + Thankyou for being  
the Army Corps of Engineers, and taking all points of view  
under consideration. I remain,

**3025**

Respectfully yours,

Deigail C. O'Brien  
508-428-8186

I do not live on the  
Cape but take major  
trips with family and  
friends along the South  
Shore. We certainly add  
the economy and look  
forward to bathing and  
boating in the Sound.

Once this beautiful  
area is destroyed it  
can never be replaced.

Sincerely,

Beverly F. Hosen

2697 Cranberry Hwy  
Wareham, MA 0257

Feb 16, 2005

Dear Colonel Koning,

I feel very strongly  
the Cape Wind Environmental  
Impact Statement falls  
short in recognizing the  
impact the Wind Farm will  
have on birds and other wild  
life, on pleasure boating,  
possible oil spills in our  
waters not to mention  
the artificial skyline which  
detracts from our beautiful  
views.

3626

GEORGE F. ROCHAT  
101 MOUNTAIN TOP ROAD  
BERNARDSVILLE, NEW JERSEY 07924

~~3826~~

Colonel Thomas Coning  
U.S. Army Corps of Engineers

3827

Dear Sir:

I believe the Cape Wind  
proposal would ultimately prove  
to be environmentally & economically  
unacceptable in Nantucket Sound.  
There are too many negatives to  
justify the proposal in the  
location.

Sincerely

George F. Rochat

RECEIVED

NOV 18 1975

U.S. ARMY

3820

I am not comfortable  
that enough is definitely  
known about the risks  
involved in the Windmill  
Energy program in Nantucket  
Sound.

An Op-Ed article by Bill  
McKibben in the NY Times  
today (2/16/05) talks about  
all of the pros and cons,  
and also choosing the  
Correct sites. I don't feel  
this is the correct site.  
The sound is fragile, and  
has an important balance.

Donna Horlenhaugh  
5 Rumson Rd.  
Rumson, N.J.  
07760

WALTER W UNGERMANN  
PO BOX 183  
WEST BARNSTABLE, MA 02668  
(508) 362-3638

3B29

February 17, 2005

Colonel Thomas Koning  
US Army Corps of Engineers  
696 Virginia Road  
Concord, MA 01742

Dear Colonel Koning:

I would like to bring to your attention that the Cape Wind Draft Environmental Impact Statement is inadequate in many areas, including: air and boat navigation safety, impacts to birds and other wildlife, pollution threats from oil on the transformer substation, visual pollution and associated economic and tourism impacts, and the analysis of alternative sites.

We have something beautiful, let's preserve it.

Thank you very much,



Walter W. Ungermann

RECEIVED  
FEB 22 2005  
U.S. ARMY CORPS OF ENGINEERS  
CONCORD, MA

RECEIVED  
JUN 22 2007  
U.S. DEPARTMENT OF JUSTICE

3031  
10 Surf Street Marblehead MA 01945

Karen Adams, Project Manager, Regulatory Division  
696 Virginia Rd. Concord, MA 01742

February 18, 2005

Re: Comments on the Cape Wind Project - DEIS/DEIR

Dear Ms. Adams:

I support the building of 130 large wind turbines on Horseshoe Shoal.

I am a founder of HealthLink - a grassroots organization created to protect the neighbors of the Salem Harbor Station of the health effects of that power plant running as usual. In the volunteer work that I have done to require this plant to run cleaner, I have learned specifics about the local and long distance health effects of SO<sub>2</sub>, NO<sub>x</sub>, and Hg. As for CO<sub>2</sub>, the EPA just released a report that shows the effects of sea rise due to global warming on Massachusetts.

We must launch a national effort towards new, clean energy. The Cape Wind project would demonstrate the power of the wind to the rest of the country.

The DEIS shows that the environmental changes attributable to the construction of the turbines will be minor to the point of insignificant. No major fishery is at hazard. The machines are not a hazard to navigation. Nor are they a source of pollution.

Massachusetts can be the first in the nation yet again - this time in leading the nation to avoid pollution and health impacts from coal and oil plants and also the risk of nuclear power.

Yours truly,

  
Lynn Nadeau

RECEIVED

FEB 21 2005

REG. DIV.

TERRORIST OR DISASTER UNUSUAL EVENT	HEALTH IMPACTS UNDER NORMAL USE	TAXPAYERS' COST IN MILLIONS IN 1999	GLOBAL WARMING IMPACT	WASTE DISPOSAL DAMAGE	ENVIRONMENTAL DAMAGE
COAL		\$550			
NUKES		\$727			
OIL		\$372			
GAS		\$1,272			
SOLAR		\$3			
HYDRO					
WIND		\$3			
WASTE		?			

*We need more wind energy!*

*National Energy Warming System!*

**1-383**

*Lynn Nedra - ACE Cape Wind*



3832

2/18/05

Colonel Thomas Koning  
US Army Corp of Engineers

Dear Sir:

Protest

As a long term resident  
of Falmouth Me. and a  
yachtsman of many years  
I add my protest of the  
proposed wind mill installation  
for all of the reasons for  
protest.

There are many shallow  
reefs southeast of Nantucket  
and the Vineyard.

2

3B32

The Wautucket Sound  
proposed area is too important  
to sacrifice it to industrial  
economic desires.

Very truly yours

Howard G Freeman



Howard G Freeman  
16 Montclair Dr  
Worcester MA 01609-1511

Kendal at Hanover  
80 Lyme Road, #303  
Hanover, NH 03755

3833

To Colonel Thomas Koring  
U.S. Army Corps of Engineers

2/16/05

Dear Sir,

The Cape Wind Draft  
Environmental Impact Statement  
is inadequate in many ways.  
Nantucket Sound is too busy  
an area, plus the threat of  
pollution from the substation  
could wreak havoc with real  
estate values and hence the Cape  
economy.

Please reconsider -

Yours,

RECEIVED  
FEB 22 2005  
U.S. ARMY CORPS OF ENGINEERS

Amelia Denise  
(and North Chatham, MA)

3034

59 Westbury Way  
Cotuit MA 02635  
February 16, 2005

To Whom it may concern:

This letter is to let those of you who intend to change the appearance AND safety of our Nantucket Sound, that we who live here on Cape Cod, and enjoy the beauty of it, want to let you know how we feel.

I grew up on the Cape and have enjoyed the seashore all of my life.

People come from every part of the world, one can think of to enjoy the Sound.

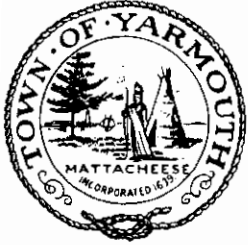
"Why would anyone want to destroy that peace and harmony with windmills?"

In my research I have found, that the Cape Wind Draft Environmental Impact Statement is inadequate in many areas including air and boat navigation safety, impacts to birds and other wildlife, pollution

3834

Threats from oil on the transformer  
SUBSTATION, VISUAL POLLUTION AND  
ASSOCIATED economic and tourism impacts,  
and the analysis of alternative sites  
These ARE JUST some REASONS I  
CAN THINK OF THAT NANTUCKET Sound  
SHOULD BE LEFT ALONE.

Respectfully Yours  
Joyce M. Velasquez



# TOWN OF YARMOUTH

1146 ROUTE 28 SOUTH YARMOUTH MASSACHUSETTS 02664-4492

Telephone (508) 398-2231, Ext. 271, 270 — Fax (508) 398-2365

BOARD OF  
SELECTMEN

TOWN  
ADMINISTRATOR  
Robert C. Lawton, Jr.

February 18, 2005

Colonel Thomas L. Koning  
U.S. Army Corps of Engineers  
New England District  
696 Virginia Road  
Concord, MA 01742-2751

3035

Dear Colonel Koning:

On behalf of a majority of the Yarmouth Board of Selectmen, the Town of Yarmouth would like to submit this letter and attachments as our statement of formal opposition to the Cape Wind Project and to the conclusions drawn by the draft environmental statement released by the U.S. Army Corps of Engineers. A majority of the Board of Selectmen does not believe that the Cape Winds proposed project is in the public interest and allows a private developer to take control of a large portion of Nantucket Sound which is a public resource.

In our letters to you dated May 14, 2003, and September 30, 2004, a majority of the Board of Selectmen raised issues regarding the negative impact on the Town of Yarmouth by the installation of the wind farm in Nantucket Sound. We also believe that the Cape Cod Commission, through their review of the DEIS has raised significant and relevant questions regarding the installation of such a commercial venture in Nantucket Sound, and its effect on Cape Cod towns.

We appreciate the opportunity to express our views to you and appreciate your taking those views into account as you make your decision.

Respectfully,

The Yarmouth Board of Selectmen

By:

  
Robert C. Lawton, Jr.  
Town Administrator

Attachments

copy: Board of Selectmen

gp



3835

May 14, 2003

Honorable James L. Connaughton  
Chairman, Council on Environmental Quality  
Executive Office of the President  
Washington, DC 20006

Colonel Thomas L. Koning  
District Engineer  
U.S. Army Corps of Engineers  
New England District  
696 Virginia Road  
Concord, MA 01742 2751

Gentlemen:

As a member of the Board of Selectmen, Town of Yarmouth, Massachusetts, I am deeply concerned about the potential impacts of the wind turbine projects proposed by Winergy, LLC, and Cape Wind Associates. Our community is dependent on tourism, fishing, and other activities associated with Nantucket Sound for economic development and quality of life. These offshore wind turbine projects have the potential of generating tremendous negative economic, environmental, aesthetic, and other impacts, harming the very resources upon which the residents of our community rely. The mere fact that so many projects are emerging as proposals at the same time, not only here but elsewhere along the Atlantic coast, points to the need for a baseline environmental review of the U.S. Army Corps of Engineers' program for such facilities. We are writing to register our deep concern regarding these proposed projects and to stress the need for a thorough, comprehensive environmental review before individual proposals are considered.

The Cape Cod Commission, a regional planning and regulatory body created by the Massachusetts legislature, in coordination with the leadership of each of the individual towns of Cape Cod, has taken great pains to control development on the Cape and to protect the region's natural, coastal, historical, cultural, and other resources. After more than a decade of concerted effort, the Commission and the towns have been successful in controlling growth and maintaining the region's values through careful planning and rigorous permitting requirements. Yet, our efforts at controlling the fate of Cape Cod are being substantially undermined by the U.S. Army Corps ad hoc review of these proposals.

3B35

Page 2  
May 14, 2003

The National Environmental Policy Act (NEPA) requires any federal agency to conduct a programmatic environmental impact statement when initiating a new program that will generate significant environmental impacts. There can be no doubt that these massive wind turbine projects fall easily into that category. In addition, NEPA regulations require the decision-making agency to assess impacts on the environment that result from the incremental impact of the action when added to other past, present, and reasonably foreseeable future actions. As a practical matter, a programmatic environmental impact statement will facilitate the development of a consistent and fair review process that adequately considers all the potential impacts of the proposed projects and will allow the Corps to determine which of the projects, if any, are appropriately sited. Clearly, the absence of a defined source of authority for dealing with these projects is a major source of the deficiency with the review of offshore wind plants. Nevertheless, the Corps has elected to process applications for such projects under section 10 of the Rivers and Harbors Act, and consequently a comprehensive programmatic review must be undertaken.

The Town of Yarmouth also believes that the Corps must include our local government in its review process. Although the Corps has allowed the Commission to participate in its review of the Cape Wind Project, the agency has not accorded the Commission the role to which it is entitled. Nor has it allowed the individual towns to participate actively. No entity will suffer the impacts more acutely than the towns immediately adjacent to these proposed developments. Thus, the Corps must recognize the importance of according the Town and the Commission a more active voice in its review of wind energy projects.

We appreciate the opportunity to share our views with the U.S. Army Corps. If you have any questions, please contact me at 508 398 2231, Ext. 270.

Sincerely,

Robert C. Lawton, Jr.  
Town Administrator  
For the Board of Selectmen

gp





3835

# TOWN OF YARMOUTH

BOARD OF  
SELECTMEN

1146 ROUTE 28 SOUTH YARMOUTH MASSACHUSETTS 02664-4492

Telephone (508) 398-2231, Ext. 271, 270 -- Fax (508) 398-2365

TOWN

ADMINISTRATOR

September 30, 2004

Robert C. Lawton, Jr.

Walter Cruikshank  
District Engineer  
Department of the Army  
New England District, Corps of Engineers  
696 Virginia Road  
Concord, Ma. 01742-2751

Duplicate original sent to:  
Colonel Thomas L. Koning  
District Engineer  
Department of the Army  
New England District, Corps of Eng.  
696 Virginia Road  
Concord, MA 01742-2751

Dear Mr. Cruikshank:

It has come to the attention of the Town of Yarmouth, that as part of the submission from Cape Wind for the wind generators in Nantucket Sound, they have not provided an Oil Spill Fatality Map and/or an Oil Spill Trajectory Map to towns who border Nantucket Sound. The Town of Yarmouth would like to formally request the creation of and a copy of such a map for the primary proposed location for the wind generators, as well as the alternate site, which is closer to the Town of Yarmouth.

The Town of Yarmouth is very concerned with a possible spill of oil from the transformer platform and/or the individual wind generator units. Such an oil spill would adversely affect and possibly eliminate many of the shellfish beds along the south shore of Yarmouth, as well as impact resorts in the Town of Yarmouth located on Nantucket Sound. We believe that the Town of Yarmouth should be able to analyze the projected flow of a potential oil spill, so we might make an informed assessment of the impact on the Town of Yarmouth and its businesses.

We appreciate your consideration of this request. Our understanding is that other communities will also be making similar requests, in order for those towns to assess the impact on marine breeding grounds, shellfish beds and beaches, and commercial enterprises. Please let our office know if we can provide you with any additional information, or if you would like to discuss our request in more detail.

Respectfully,

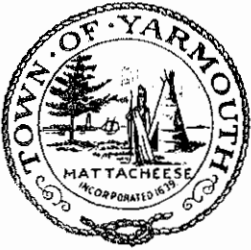
Robert C. Lawton, Jr.  
Town Administrator

pb

cc: Board of Selectmen

Ms. Herzfelder, MEPA

Tim Timmermann, EPA



# TOWN OF YARMOUTH

1146 ROUTE 28 SOUTH YARMOUTH MASSACHUSETTS 02664-4492

Telephone (508) 398-2231, Ext. 271, 270 — Fax (508) 398-2365

BOARD OF  
SELECTMEN

TOWN  
ADMINISTRATOR

Robert C. Lawton, Jr.

*Cape Wind Farm*

February 8, 2005

3835

Cape Cod Commission  
PO Box 226  
Barnstable, Ma. 02630

Re: Cape Wind Energy Project JR#20084

Dear Cape Cod Commission Subcommittee Members:

The Yarmouth Board of Selectmen appreciates the opportunity to comment as part of the public hearing on February 8, 2005 at which time the subcommittee will receive public comment on the adequacy of a joint Draft Environmental Impact Statement and Environmental Impact Report prepared for the proposed Cape Wind Energy Project.

The Board of Selectmen has reviewed the staff report and recommendation and unanimously supports the conclusions of the staff. The Selectmen believe that the shortcomings outlined by the staff in the cover letter dated February 1, 2005, highlight the need for the preparation of a supplemental EIS that should answer the issues raised by the Cape Cod Commission staff report. February 24, 2005 will be the last date set by the U.S. Army Corps of Engineers to review the Draft Environmental Impact Statement addressing the proposed Cape Wind Energy project in Nantucket Sound. The Board of Selectmen unanimously believes we need the additional information and clarification highlighted by the Cape Cod Commission staff before this project proceeds.

The Board of Selectmen appreciates the thorough job that was done by the Cape Cod Commission staff which has raised very important issues which the Yarmouth Board of Selectmen feels must be dealt with before the project continues.

Respectfully,

E. Suzanne McAuliffe, Chairman  
Board of Selectmen

for

The Yarmouth Board of Selectmen

Jd



3036

Sidney T. Kimber  
115 Grove St  
Cotuit MA 02635

Feb 15, 2005

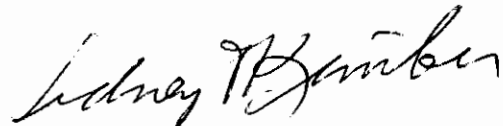
508-420-9758

[SidKimber@yahoo.com](mailto:SidKimber@yahoo.com)

Dear Sirs,

I oppose the changing of Nantucket Sound from a lovely open recreational area to a manufacturing plant. I will not restate the reasons for not sighting the facility in the Sound that have been stated over and over again by others, but I believe they are correct.

What I see happening to Nantucket Sound is the creation a commercial manufacturing plant on public owned land. As an engineer, I have never seen a manufacturing facility where free access was allowed to the general public. This manufacturing plant will have stored a large quantity of an oil pollutant. We are all aware that open access would allow a terrorist to tie or drive a boat to the central facility and blow a leg. It was easily done to the USS Cole! The sound, which is public land, will thus have to be closed to the public when we are under any form of a terrorist alert or even if the owners states a fear. I support the use of alternative energy but please no manufacturing plant in Nantucket Sound.



Sidney T. Kimber

RECEIVED  
FEB 18 2005  
U.S. DEPT. OF COM.

3037

**Adams, Karen K NAE**

---

**From:** Matt Palmer [mpalmer@cleanpowernow.org]  
**Sent:** Tuesday, February 22, 2005 4:09 PM  
**To:** Adams, Karen K NAE  
**Cc:** Anne Canady; Phil Dascombe  
**Subject:** Clean Power Now Comments on Cape Wind DEIS

Dear Ms Adams:

Please find attached Clean Power Now's comments on the Cape Wind DEIS.

Thank you,  
Matt Palmer

Matthew A. Palmer, PE  
Executive Director  
**Clean Power Now**  
[mpalmer@cleanpowernow.org](mailto:mpalmer@cleanpowernow.org)  
Office: (508) 775-7796  
Fax: (508) 775-7782  
Cell: (508) 685-2406  
[www.cleanpowernow.org](http://www.cleanpowernow.org)

2/22/2005



3037

**DIRECTORS**

Liz Argo  
Charles Cummings  
William Eddy  
Richard Elrick  
Charles Kleekamp  
Richard Lawrence  
James Liedell  
Spyro Mitrokostas  
Peter Schlesinger  
Christopher Stimpson  
Thomas Wineman

**South Coast**

Inge Perreault

**CPN Boston**

Marlon Banta

Gabriel Shapiro

**Martha's Vineyard**

Robert Skydell

Ted DeBettencourt

**Nantucket**

Carl K. Borchert

**Executive Director**

Matthew Palmer

February 21, 2005

Ms. Karen Kirk Adams  
Cape Wind Energy Project EIS Project Manager  
Corps of Engineers, New England District  
696 Virginia Road  
Concord, MA 01742-2751

**Re: Final Comments on the Cape Wind Project Draft EIS  
Cape Wind Project File no. NAE-2004-338-1**

Dear Ms. Adams:

The following comments are offered as suggestions to strengthen the Final EIS for the benefit of public understanding of the Cape Wind project.

**1. Bird Impact Studies Related to Offshore Wind Projects**

We suggest that you include a synopsis of conclusions of recent offshore bird impact studies with references to the studies themselves. For example, the "Visual and Radar Observations of Birds in Relation to Collision Risk at the Horns Rev Offshore Windfarm, Annual Status Report, 2003," shows that this year's study shows birds, by in large, fly around the turbines. A total of 16 dead birds were found and recorded in a 16 month period, all songbirds, primarily starlings. References are indicated in the endnotes.<sup>1</sup>

**2. Estimated Health Benefit to Wildlife**

In addition to the health benefits to humans already addressed in the DEIS, we suggest that you add a section on the estimated health benefits to wildlife. For example, statistical estimates of potential reduction in bird and shellfish harm due to oil spillage from barges and tankers delivering fuel oil to electrical generation plants that pass through the Cape Cod Canal or in waters off Massachusetts should be considered. In addition, the externalities of coal mining impact on habitat in other areas of the U.S. are another area of concern that should be addressed.

**3. Estimated impact on which fossil plants may be backed off**

We realize that the most productive electrical generation area in the Commonwealth is identified by ISO New England as "Southeast Massachusetts," or SEMA. New England states and

www.cleanpowernow.org  
E-mail: windfarm@cleanpowernow.org  
Phone: (508) 775-7796  
Fax: (508) 775-7782

Clean Power Now  
297 North Street  
Suite 322A  
Hyannis, MA 02601

Massachusetts itself are divided into "Locational Marginal Pricing" districts by ISO NE as related to grid transmission capabilities, each with different pricing structures. In SEMA we have two of the largest plants in the Commonwealth, i.e., Canal and Brayton Point. SEMA is also an area of "locked in" generation due to limitations on transmission interconnections to the grid system<sup>ii</sup>. Therefore we ask that the Corps evaluate the probable extent (on a monthly basis) of back-off of the major SEMA plants when the wind farm comes on line. Note that the Pilgrim nuclear plant and the trash conversion plant, SEMass, will not be backed off as they are on a "must run" status. This estimated backoff impact will allow better estimates of oil and gas reductions and related fuel cost implications, importation of oil, as well as anticipated health benefits.

#### **4. Update the Le Capra Study**

The Le Capra study referenced in the DEIS was completed in 2002<sup>iii</sup>. This report drew on forecast in the Energy Information Administration's (EIA) "Annual Energy Outlook 2002" (developed in late 2001) regarding the future cost of natural gas among other fuels. The result was an estimated yearly reduction of cost of wholesale electricity in New England was some \$25 million with \$10 million in Massachusetts. The EIA estimate for the cost of gas in this report for 2005 was \$3.40 per mmbTU. Due to totally unforeseen world events, the current cost of natural gas now ranges from \$6 to \$8 per mmbTU depending on season. Since about 60% of the cost of electricity generation is dictated by fuel costs, it is evident that the conclusions of this report are substantially out-of-date. Therefore, we ask that the Final EIS utilize an updated La Capra study.

#### **5. Impact of Carbon Dioxide Offset**

The DEIS indicates some 1 million tons of carbon dioxide will be offset by the introduction of the wind energy from this project. We suggest that the Final EIS put this in perspective with respect to other CO2 sequestration efforts by the energy industry. For example, we ask that you compare the definitive wind farm offset to the only economically viable way of trapping CO2 that would otherwise be released into the atmosphere. And that is through its removal from freshly produced natural gas and injection back into depleted production fields. The only two projects in the world that do this are by Statoil who sequestering one million tons<sup>iv</sup> a year in the Norwegian North Sea and with BP in Algeria<sup>v</sup>. And at that, the long term risk of leaking out are yet undetermined. Another perspective is to state that the yearly CO2 output of the Canal Plant is 5 million tons a year<sup>vi</sup>. And currently there is no viable way to sequester this raw CO2 production on a local basis. Indeed, the wind farm represents the single biggest project in the United States to offset carbon dioxide.

#### **6. Impact on Sulfur Dioxide and Nitrogen Oxides Offset**

The DEIS reveals the yearly offset reduction of sulfur dioxide and nitrogen oxides. Again to put this in perspective, it would be useful to estimate the comparative capital cost of fossil plant emission control equipment and yearly operation and/or the cost of low sulfur fossil fuels to achieve the same reductions.

#### **7. Impact on Tourism**

The Final EIS should augment its discussion on the impact on tourism by citing the experience of currently operating offshore wind farms in Europe which are: Horns Rev, Nystead, Tunø Knob, and Middelgrunden in Denmark; Arklow Bank 1 in Ireland; Utgrunden in Sweden; and North

Hoyle and Scroby Sands in England. Even land based windfarm tourism impact should be referenced since the turbines are directly approachable. Such examples are Palm Springs, California (two tour buses a day); Searsburg, Vermont; and the North Cape windfarm on Prince Edward Island. It is of interest to note that the North Cape Wind Farm on PEI draws 60,000 visitors a year and with the development of a new wind interpretive center, the goal is to attract 100,000 visitors annually. In fact the neighbors of the North Cape Wind Farm oppose a new wind project on the eastern side of PEI for fear it will siphon tourists away from their part of the island<sup>vii</sup>.

### **8. Net Annual Monetary Impact**

We ask that the final EIS summarize all of the quantitative monetary evaluations into a single totaled net annual amount. These items should include the best estimates of user electricity price savings; health impact savings (including premature deaths avoided); balance of payments savings (relating to fuel offset from oil and natural gas fueled generating plants); additional high-paying, year-round jobs for Cape and Islands resident, increased tourism estimates, financial consideration payments to towns like Harwich. Quantifiable disadvantages should be deducted from the benefits, to arrive at the net amount. Furthermore, we ask that you extrapolate these findings for 10 year and 20 year cumulative projections based on the potential of fixed price energy contracts offered by Cape Wind in the face of ever increasing fossil fuel costs for conventional power plants. In addition, we ask that you forecast the impact on the Cape, regional, and national economy due to turbine manufacturing and fabrication with construction jobs required during the installation period.

The Directors of Clean Power Now urge you to include the above topics in the Final EIS as this will clarify these issues for the public.

Sincerely, for the Directors of Clean Power Now,

Matthew A. Palmer, P.E.  
Executive Director  
**Clean Power Now**

CC: Ms Anne Canaday, MEPA  
Mr. Phil Dascombe, Cape Cod Commission

End notes follow on next page:

3837

- 
- <sup>i</sup> A. "Visual and Radar Observations of Birds in Relation to Collision Risk at the Horns Rev Offshore Windfarm, Annual Status Report, 2003," by Christensen, Hounisen, Clausager, & Petersen, from the Ministry of the Environment, DK-4000, Denmark. 48p. This year's study shows birds, by in large, fly around the turbines. A total of 16 dead birds were found and recorded in a 16 month period, all songbirds, primarily starlings.
- B. "Investigations of Birds During Construction and Operation of Nystead Offshore Wind Farm at Rodsand, Annual Status Report 2003," by Petersen, Fox, Desholm, and Clausager, from the Ministry of the Environment, DK-4000, Denmark. 82p.
- C. "Bird Numbers and Distribution in the Horns Rev Offshore Windfarm, Annual Status Report 2003," by Petersen, Clausager, & Christensen, from the Ministry of the Environment, DK-4000, Denmark. 36p.
- D. "Elsam. Offshore Wind Farm. Horns Rev. Annual Status Report for the Environmental Monitoring Programme," 1 January 2002 – 31 December 2002, 58p.
- <sup>ii</sup> "Report Questions Power Line Limits," John Leaning, Cape Cod Times, November 8, 2003.
- <sup>iii</sup> "The Cape Wind Project: Impact on New England Electricity Market Prices," February 2002 Analysis
- <sup>iv</sup> "Coping with Climate Change - the debate," The Geological Society, BP and Climate Change, Mr. Greg Coleman, Vice President BP, March 26, 2003
- <sup>v</sup> From Datamonitor, Comment Wire 2/13/05, "Carbon sequestration: a new road to Kyoto," [http://www.commentwire.com/commwire\\_story.asp?commentwire\\_ID=6182](http://www.commentwire.com/commwire_story.asp?commentwire_ID=6182)
- <sup>vi</sup> Canal Plant data from: "Emission Control Plan, W 025308," Table 1, December 2001, submitted to the Massachusetts DEP.
- <sup>vii</sup> "Racing for the Wind on PEI," by Nancy Russell, Northern Sky News, February, 2005, p. 7.



3830

From: Capt. Karl H. Riddar  
88 Lakewood Dr  
Harwich, MA. 02645

To: Karen Kirk Adams  
Cape Wind Energy Project EIS Project Manager  
Corps of Engineers, New England District  
696 Virginia Road  
Concord, MA 01742-2751

Re: Proposed WTG Placement  
Reference file no. NAE-204-338-1

Ms Karen Adams,

My name is Karl Riddar and I am a licensed captain for the Woods Hole, Martha's Vineyard, and Nantucket, Steamship Authority. I command Steamship Authority vessels between the ports of Hyannis and Nantucket MA.

Section 3.2.1 of the ESS Group Navigational Risk Assessment study (August 18, 2003) Does not convey an accurate assessment of our normal operational area with regard to proximity of WTG's. I have submitted two previous letters addressing my concerns, (and have spoken at the open forum meeting in Barnstable) in the hope that the Army Corps of Engineers will recognize the hazards to navigation presented by placement of WTG's within areas normally used by SSA vessels in the course of navigating to and from Nantucket. I refer specifically to the fourteen towers located on the northeastern boundary of the project. Please refer to "Figure 4-1" of the ESS study to view the WTG's in question (please note that the waters in this area easily accommodate vessels with a draft of 10ft - 11ft, which is the routine draft of all SSA vessels) Please also refer to "Figure 3-9" and examine "course 4" of that document. It was originally intended to outline the course of the "FIGAWI" race, but it also gives a fairly close representation of the route used routinely (by myself personally) when navigating in winds and seas with a northeasterly element. It becomes clear that SSA vessels ability to navigate (in a manner currently in common practice) will be severely diminished. Your consideration in this matter would be greatly appreciated.

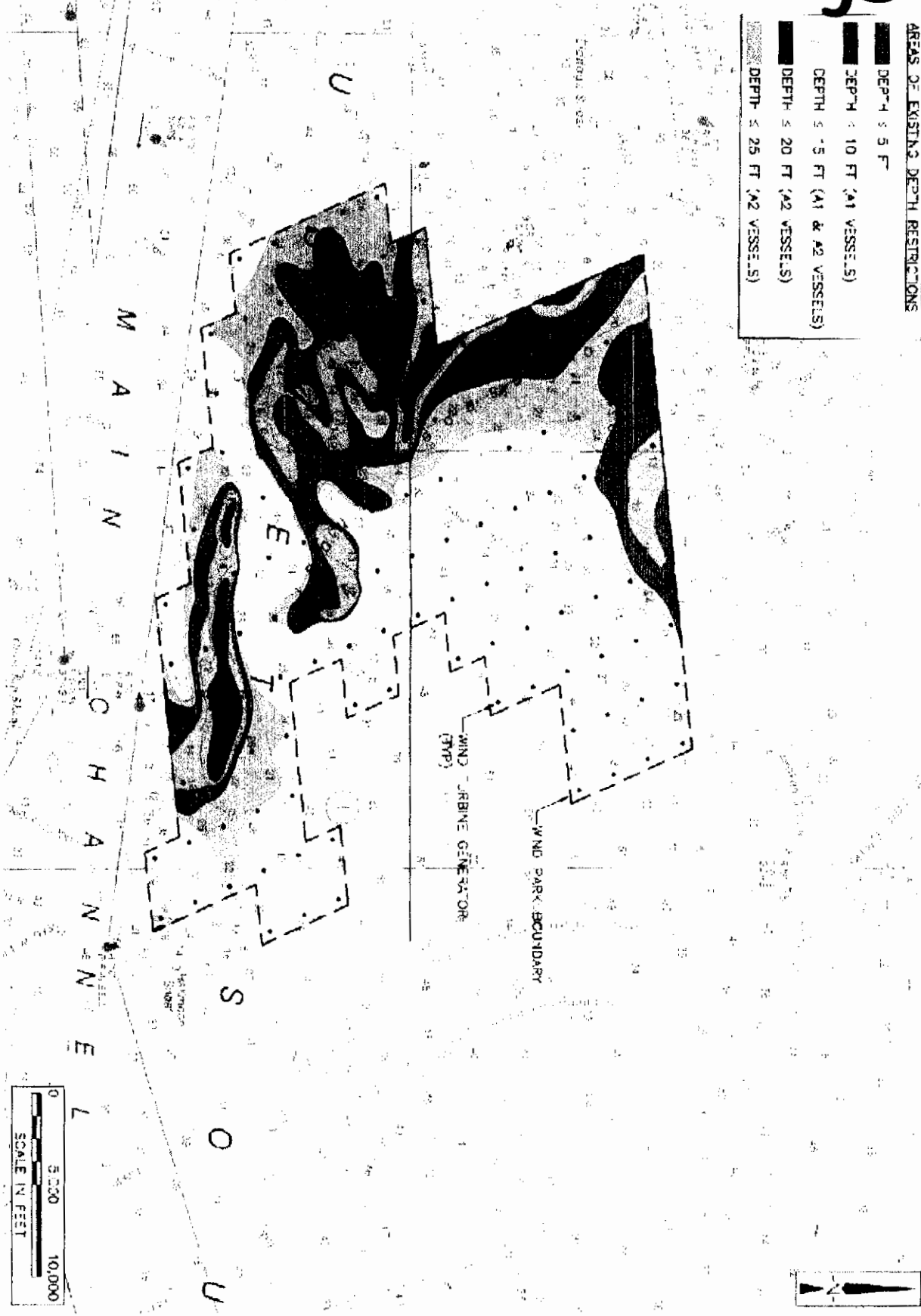
Respectfully,



Capt. Karl H. Riddar

RECEIVED  
JAN 1 2005  
U.S. ARMY CORPS OF ENGINEERS

Training ID: HLE159; DOA navigation VLSU navigation 10-4 day

**ESS**  
Engineering & Science Solutions[illegible]

CAPE WIND PROJECT

**Cruise Ships/Research Vessels (Category A)**  
**Existing Depth Restrictions Within Wind Park Boundary**

Source: NOAA Chart #13214, Nantucket Sound to Cape Cod Bay

**Figure 4-1**

Comment Sheet  
On Draft Environmental Impact Statement (EIS)  
For the proposal for an Offshore Wind Project  
In Nantucket Sound

RECEIVED  
FEB 19 2005  
3039

Name: John A. Jenkins

Address: 3109 Garfield St NW  
Washington DC 20008

Phone Number (Please include area code): 202 965 6045

Email Address: jjenk1@aol.com

Please state your questions/comments in the space below:

I am a non-resident taxpayer/homeowner from Eastham, MA. I am totally opposed to any development of Nantucket Sound for wind power. The Sound is our Grand Canyon and I resent the Corps' efforts to place (or approve/encourage placement of) wind power. A totally unwarranted approval and I am adamantly opposed.

John A. Jenkins  
2/18/05

Please fold this questionnaire in half, affix two stickers or pieces of tape, and mail it to the address listed on the other side.

3840

**Adams, Karen K NAE**

---

**From:** SMCCONAGHY@PNUCOR.COM  
**Sent:** Wednesday, February 16, 2005 4:54 PM  
**To:** Energy, Wind NAE  
**Subject:** Ensure 'Cape Wind' Project Is Safe for Wildlife

Colonel Thomas Koning  
U.S. Army Corps of Engineers  
696 Virginia Road  
Concord, MA 01742-2751

Dear Colonel Koning,

Before you approve or deny a permit to erect 130 turbines in Nantucket Sound, please require the developer to conduct the thorough studies recommended by the U.S. Fish and Wildlife Service and the Massachusetts Division of Fisheries and Wildlife.

Specifically, the environmental review of this project should include:

- Three full years of visual observations of birds
- 12 months of radar observations of flying wildlife
- A thorough and timely review of the project's potential effect on wildlife, including marine mammals

These factors will help determine whether the Cape Wind project is in the best interests of both the public and wildlife.

As it is written, the U.S. Army Corps of Engineers' draft environmental impact statement is hopelessly flawed, because it ignores relevant information and draws conclusions based on inadequate research.

This project could be the first marine wind energy facility in the United States. As such, it will set a precedent for other offshore renewable energy projects.

Please require a rigorous, scientific review of its environmental effects. Clean air and healthy wildlife populations are not mutually exclusive. We need both.

Sincerely,

STACY MCCONAGHY  
2433 SWEETBRIAR LANE  
ROCK HILL, South Carolina 29732

**Adams, Karen K NAE**

3841

**From:** actress873@aol.com  
**Sent:** Wednesday, February 16, 2005 5:07 PM  
**To:** Energy, Wind NAE  
**Subject:** Ensure 'Cape Wind' Project Is Safe for Wildlife

Colonel Thomas Koning  
U.S. Army Corps of Engineers  
696 Virginia Road  
Concord, MA 01742-2751

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Sincerely,

Lindsay Holeman  
1021 Dulaney Valley Road  
Towson, Maryland 21204

3042

**Adams, Karen K NAE**

---

**From:** fayer71@yahoo.com  
**Sent:** Wednesday, February 16, 2005 6:49 PM  
**To:** Energy, Wind NAE  
**Subject:** Ensure 'Cape Wind' Project Is Safe for Wildlife

Colonel Thomas Koning  
U.S. Army Corps of Engineers  
696 Virginia Road  
Concord, MA 01742-2751

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Sincerely,

faye reinstein  
1133 n dearborn st. #1705  
chicago, Illinois 60610

3843

**Adams, Karen K NAE**

---

**From:** lkkink431@aol.com  
**Sent:** Wednesday, February 16, 2005 8:23 PM  
**To:** Energy, Wind NAE  
**Subject:** Ensure 'Cape Wind' Project Is Safe for Wildlife

Colonel Thomas Koning  
U.S. Army Corps of Engineers  
696 Virginia Road  
Concord, MA 01742-2751

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Sincerely,

Nikki Kruse  
9315 Gardenia Bend  
Garden Ridge, Texas 78266

3844

**Adams, Karen K NAE**

---

**From:** elsaproductio@yahoo.fr  
**Sent:** Thursday, February 17, 2005 12:40 AM  
**To:** Energy, Wind NAE  
**Subject:** Ensure 'Cape Wind' Project Is Safe for Wildlife

Colonel Thomas Koning  
U.S. Army Corps of Engineers  
696 Virginia Road  
Concord, MA 01742-2751

Dear Colonel Koning,

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Sincerely,

nathalie le magueresse  
1085 willoughby ave  
brooklyn  
new-york, New York 11221



3845

**Adams, Karen K NAE**

---

**From:** socodanar@verizon.net  
**Sent:** Thursday, February 17, 2005 12:54 PM  
**To:** Energy, Wind NAE  
**Subject:** Ensure 'Cape Wind' Project Is Safe for Wildlife

Colonel Thomas Koning  
U.S. Army Corps of Engineers  
696 Virginia Road  
Concord, MA 01742-2751

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Sincerely,

Dana Richards  
34 Warren Trail  
Denville, New Jersey 07834-1032

3846

**Adams, Karen K NAE**

---

**From:** laurram@cox.net  
**Sent:** Thursday, February 17, 2005 8:33 PM  
**To:** Energy, Wind NAE  
**Subject:** Ensure 'Cape Wind' Project Is Safe for Wildlife

Colonel Thomas Koning  
U.S. Army Corps of Engineers  
696 Virginia Road  
Concord, MA 01742-2751

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Please require a rigorous, scientific review of its environmental effects. Clean air and healthy wildlife populations are not mutually exclusive. We need both.

Stop, stop, stop already!!! Don't you think that humans have done enough to screw up everything that they touch? Self-serving greed reigns as king. It's time for you to step up to the plate and start protecting the creatures who suffer at the hand of mankind.

Sincerely,

Laura Maddock  
29352 Las Cruces  
Laguna Niguel, California 92677

3847

**Adams, Karen K NAE**

---

**From:** pngreene@earthlink.net  
**Sent:** Thursday, February 17, 2005 9:07 PM  
**To:** Energy, Wind NAE  
**Subject:** Ensure 'Cape Wind' Project Is Safe for Wildlife

Colonel Thomas Koning  
U.S. Army Corps of Engineers  
696 Virginia Road  
Concord, MA 01742-2751

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Sincerely,

pat greene  
3100 main st suite 13  
dallas, Texas 75226

**Adams, Karen K NAE**

---

**From:** katyblue@davis.com  
**Sent:** Thursday, February 17, 2005 9:09 PM  
**To:** Energy, Wind NAE  
**Subject:** Ensure 'Cape Wind' Project Is Safe for Wildlife

Colonel Thomas Koning  
U.S. Army Corps of Engineers  
696 Virginia Road  
Concord, MA 01742-2751

Dear Colonel Koning,

Before you approve or deny a permit to erect 130 turbines in Nantucket Sound, please require the developer to conduct the thorough studies recommended by the U.S. Fish and Wildlife Service and the Massachusetts Division of Fisheries and Wildlife.

Specifically, the environmental review of this project should include:

- Three full years of visual observations of birds
- 12 months of radar observations of flying wildlife
- A thorough and timely review of the project's potential effect on wildlife, including marine mammals

These factors will help determine whether the Cape Wind project is in the best interests of both the public and wildlife.

As it is written, the U.S. Army Corps of Engineers' draft environmental impact statement is hopelessly flawed, because it ignores relevant information and draws conclusions based on inadequate research.

This project could be the first marine wind energy facility in the United States. As such, it will set a precedent for other offshore renewable energy projects.

Please require a rigorous, scientific review of its environmental effects. Clean air and healthy wildlife populations are not mutually exclusive. We need both.

Sincerely,

Elizabeth Ramsey  
1626 Colusa Ave.  
Davis, California 95616

3849

**Adams, Karen K NAE**

---

**From:** kcooper951@aol.com  
**Sent:** Thursday, February 17, 2005 10:06 PM  
**To:** Energy, Wind NAE  
**Subject:** Ensure 'Cape Wind' Project Is Safe for Wildlife

Colonel Thomas Koning  
U.S. Army Corps of Engineers  
696 Virginia Road  
Concord, MA 01742-2751

Dear Colonel Koning,

Before you approve or deny a permit to erect 130 turbines in Nantucket Sound, please require the developer to conduct the thorough studies recommended by the U.S. Fish and Wildlife Service and the Massachusetts Division of Fisheries and Wildlife.

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Please require a rigorous, scientific review of its environmental effects. Clean air and healthy wildlife populations are not mutually exclusive. We need both.

I strongly support the use of windmills in the open ocean as a source of energy only if it does not tremendously effect the wildlife.

One suggest is to have the base of the windwill designed in such a fashion as to create a reef or marine habitat that may be beneficial to fish.

Thank.  
Ken Cooper

Sincerely,

Ken Cooper  
849 Park Place  
Ocean City, New Jersey 08226

3849

**Adams, Karen K NAE**

---

**From:** nlbeeman@hotmail.com  
**Sent:** Thursday, February 17, 2005 10:10 PM  
**To:** Energy, Wind NAE  
**Subject:** Ensure 'Cape Wind' Project Is Safe for Wildlife

Colonel Thomas Koning  
U.S. Army Corps of Engineers  
696 Virginia Road  
Concord, MA 01742-2751

Dear Colonel Koning,

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Sincerely,

nora Beeman  
po box 1142  
Melville, New York 11747

3851

**Adams, Karen K NAE**

---

**From:** LINDGRKL@aol.com  
**Sent:** Thursday, February 17, 2005 10:21 PM  
**To:** Energy, Wind NAE  
**Subject:** Ensure 'Cape Wind' Project Is Safe for Wildlife

Colonel Thomas Koning  
U.S. Army Corps of Engineers  
696 Virginia Road  
Concord, MA 01742-2751

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Sincerely,

kristie lindgren  
1423 brentwood  
round lake beach, Illinois 60073



**Adams, Karen K NAE**

---

**From:** tiggluv1@comcast.net  
**Sent:** Thursday, February 17, 2005 11:42 PM  
**To:** Energy, Wind NAE  
**Subject:** Ensure 'Cape Wind' Project Is Safe for Wildlife

Colonel Thomas Koning  
U.S. Army Corps of Engineers  
696 Virginia Road  
Concord, MA 01742-2751

Dear Colonel Koning,

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Sincerely,

Melissa Miller  
7448 Sycamore Ct #3SE  
Orland Park, Illinois 60462

**Adams, Karen K NAE**

---

**From:** DELUCALM@TUHS.Temple.ed  
**Sent:** Friday, February 18, 2005 12:29 AM  
**To:** Energy, Wind NAE  
**Subject:** Ensure 'Cape Wind' Project Is Safe for Wildlife

Colonel Thomas Koning  
U.S. Army Corps of Engineers  
696 Virginia Road  
Concord, MA 01742-2751

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Sincerely,

Leonora De Luca  
837 S.Cedar Road  
Rockledge, Pennsylvania 19046

3854

**Adams, Karen K NAE**

---

**From:** jinxandme@joimail.com  
**Sent:** Friday, February 18, 2005 2:57 AM  
**To:** Energy, Wind NAE  
**Subject:** Ensure 'Cape Wind' Project Is Safe for Wildlife

Colonel Thomas Koning  
U.S. Army Corps of Engineers  
696 Virginia Road  
Concord, MA 01742-2751

Dear Colonel Koning,

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As it is written, the U.S. Army Corps of Engineers' draft environmental impact statement is hopelessly flawed, because it ignores relevant information and draws conclusions based on inadequate research.

I am entirely in favor of wind energy production at any viable site. But please insure that three year actual observations by sight and by radar are conducted to see that undue harm is not done to wildlife at the sites of the proposed wind powered generatirs. It would seem that guards could easily be designed to protect flying birds from contacting the windmill blades with minimal adverse impact on power generation.

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Please require a rigorous, scientific review of its environmental effects. Clean air and healthy wildlife populations are not mutually exclusive. We need both.

Sincerely,

Lamar Pittman  
2011 West 84th Place  
Los Angeles, California 90047-2904

**Adams, Karen K NAE**

---

**From:** ibizagirl\_en\_pravdahbs@hotmail.com  
**Sent:** Friday, February 18, 2005 5:22 AM  
**To:** Energy, Wind NAE  
**Subject:** Ensure 'Cape Wind' Project Is Safe for Wildlife

Colonel Thomas Koning  
U.S. Army Corps of Engineers  
696 Virginia Road  
Concord, MA 01742-2751

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Sincerely,

Maria Bescos  
931, Mass Av  
Cambridge, Massachusetts 02139

3856

**Adams, Karen K NAE**

---

**From:** tdltd@msn.com  
**Sent:** Friday, February 18, 2005 8:29 AM  
**To:** Energy, Wind NAE  
**Subject:** Ensure 'Cape Wind' Project Is Safe for Wildlife

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U.S. Army Corps of Engineers  
696 Virginia Road  
Concord, MA 01742-2751

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Sincerely,

Tara Schwenker  
80 Crescent Ave  
Waldwick, New Jersey 07463

3057

**Adams, Karen K NAE**

---

**From:** mallen@mhickslaw.com  
**Sent:** Friday, February 18, 2005 10:03 AM  
**To:** Energy, Wind NAE  
**Subject:** Ensure 'Cape Wind' Project Is Safe for Wildlife

Colonel Thomas Koning  
U.S. Army Corps of Engineers  
696 Virginia Road  
Concord, MA 01742-2751

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Sincerely,

Melissa Allen  
7910 Camino Real  
N-408  
Miami, Florida 33143

**Adams, Karen K NAE**

---

**From:** t\_kinnamon@hotmail.com  
**Sent:** Friday, February 18, 2005 10:12 AM  
**To:** Energy, Wind NAE  
**Subject:** Ensure 'Cape Wind' Project Is Safe for Wildlife

Colonel Thomas Koning  
U.S. Army Corps of Engineers  
696 Virginia Road  
Concord, MA 01742-2751

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Sincerely,

Traci Kinnamon  
205 Benton Drive  
Apt 6204  
Allen, Texas 75013

3059

**Adams, Karen K NAE**

---

**From:** grobertson@jakebrake.com  
**Sent:** Friday, February 18, 2005 10:32 AM  
**To:** Energy, Wind NAE  
**Subject:** Ensure 'Cape Wind' Project Is Safe for Wildlife

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U.S. Army Corps of Engineers  
696 Virginia Road  
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Sincerely,

gary robertson  
4 marian lane  
Clinton, Connecticut 06413



**Adams, Karen K NAE**

---

**From:** drumtool83@yahoo.com  
**Sent:** Friday, February 18, 2005 11:00 AM  
**To:** Energy, Wind NAE  
**Subject:** Ensure 'Cape Wind' Project Is Safe for Wildlife

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U.S. Army Corps of Engineers  
696 Virginia Road  
Concord, MA 01742-2751

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Sincerely,

Rory McMillan  
13271 Styer Court  
highland, Maryland 20777

3861

**Adams, Karen K NAE**

---

**From:** raj@g3advisors.com  
**Sent:** Friday, February 18, 2005 12:06 PM  
**To:** Energy, Wind NAE  
**Subject:** Ensure 'Cape Wind' Project Is Safe for Wildlife

Colonel Thomas Koning  
U.S. Army Corps of Engineers  
696 Virginia Road  
Concord, MA 01742-2751

Dear Colonel Koning,

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Sincerely,

Rajiv Shah  
7024 Mink Hollow Rd  
Highland, Maryland 20777-9770

3862

Adams, Karen K NAE

---

**From:** Nodvin Stephen [snodvin@mountida.edu]  
**Sent:** Wednesday, February 16, 2005 11:35 AM  
**To:** Energy, Wind NAE  
**Subject:** Cape Wind Energy EIS

Attn: Karen Kirk Adams  
U.S. Army Corps of Engineers  
New England District  
Cape Wind Energy EIS Project  
696 Virginia Road  
Concord, MA 01742

Dear Ms. Adams:

I write to you not only as an educator and as a scientist who has studied many environmental issues but also as a citizen. I consider the development of renewable energy sources for the United States to be a critical NATIONAL SECURITY ISSUE.

According to the U.S. Energy Information Administration, given the current trends in US energy use and development, by 2025 our dependence on foreign petroleum imports will rise from today's approximately 57% to as much as 70%.  
[http://www.eia.doe.gov/oiaf/servicerpt/ogp/fig\\_3.html](http://www.eia.doe.gov/oiaf/servicerpt/ogp/fig_3.html)

In the 1970's when U.S. foreign oil imports were on the order of 35% of yearly usage, OPEC countries withheld their exports and two major U.S. energy crises resulted. At the time, some efforts emerged to develop domestic renewable energy resources but those efforts eventually waned. Given today's precarious world situation relative to the non-democratic regimes who control most of the world's oil, our country has to get serious about renewable energy development.

As an environmental researcher, I know there are environmental risks and impacts with any new development program. However, I believe that the environmental and health benefits of the Nantucket Sound Wind Farm far outweigh any negative impacts.

The development of the Nantucket Sound Wind Farm will:

- \* be a major step in the right direction in National Security by working to bolster U.S. energy independence,
- \* help to reduce power plant emissions and thereby produce positive health effects,
- \* have economic benefits for the region and nation by creating jobs and reducing energy costs,
- \* reduce greenhouse emissions and thereby help to offset anthropogenic induced global warming, and
- \* have very little negative environmental impacts to wildlife and areas such as noise and thermal pollution.

This project can be a model as to how America should proceed as a world leader in the development of renewable energy resources.

Sincerely,

Stephen Nodvin

---

Stephen C. Nodvin, Ph.D.  
Director, School of Arts & Sciences  
Associate Professor of Environmental Sciences  
Mount Ida College  
777 Dedham St.  
Newton Centre, MA 02459

3863

**Adams, Karen K NAE**

---

**From:** Ken McKinley [evilchicken00@hotmail.com]  
**Sent:** Wednesday, February 16, 2005 2:27 PM  
**To:** Energy, Wind NAE  
**Subject:** Cape Wind

To Whom It May Concern:

Kyle Magida, Timothy Schmidt, and myself, are Harvard undergraduates who recently performed an analysis of the Cape Wind project for a final class project. We decided to forward our findings to the Corps of Engineers in the hope they will be some help in assessing the feasibility of this project. Please see attached.

Kenneth W. McKinley  
mckinley@fas.harvard.edu  
1993 Harvard Yard Mail Center  
Cambridge, MA  
02138-7509  
(570)-594-5606

Timothy Schmidt  
tschmidt@fas.harvard.edu

Kyle Magida  
kmagida@fas.harvard.edu

3863

# **Analysis of environmental and economic impacts of the Cape**

## **Wind project**

**By Kyle Magida**

**Tim Schmidt**

**Ken McKinley**

3863

# The Proposition

## Part 1

The proposed Cape Wind project is to be located five miles<sup>11</sup> off the coast of Cape Cod near the shores of Martha's Vineyard and Nantucket. This project has the stated purpose of providing clean energy to replace dirty coal plants with wind turbines that are claimed to produce cleaner energy<sup>5</sup>.

Cape Wind is being developed by Energy Management Inc. (EMI) a for-profit company based in New England<sup>5</sup> and first proposed the project in 2001<sup>10</sup> and placed a data collection tower to begin judging feasibility in November 2003<sup>23</sup>. With a recent US Annual Energy Outlook predicting a 1.8% increase in electric consumption a year until 2025<sup>21</sup>, there is a growing market for electricity. The US energy department also released a study saying that New England needs different energy sources as well as more energy in general<sup>16</sup>. Cape Wind decided to create more power with renewable energy to meet the greater demand.<sup>5</sup> The new wind farm is expected to ease the use of dirtier coal plants. Wind was chosen over other renewable sources of energy such as solar, geothermal and hydro. Solar is not a cost-effective option in New England for a large plant due to limited exposure to sun for most of the year. Geothermal is also impossible as there are no "hot spots" in the region. Finally most of the best hydro power sites already have plants, such as the Connecticut River which has at least 12 hydro power dams, and there are few other economically viable sites available.<sup>17</sup> Once wind power was decided on many different sites around New England were researched for viability as potential sites. The current site, on Horseshoe Shoals, a shallow area between Cape Cod, Nantucket and Martha's Vineyard, was found to be the most cost-effective location to place the wind farm through a study done by Cape Wind while beginning the exploratory phase of their project. The Corps of Engineers also performed this study and

came to a similar conclusion based on the power provided and cost of producing that power.<sup>20</sup> Offshore winds tend to be the strongest and with the location also allowed for a minimization of building costs and costs to run electric cable as well.<sup>5 and 20</sup> Cape Wind concluded due to their analysis that Horseshoe Shoals was the best local site for the farm.

In order to continue with the project Cape Wind needed to appeal to both federal and state governments. The site of the actual turbine is subject to both state and federal jurisdiction with a total of six different boards and laws overseeing the construction. In addition there are nine additional government bodies local, state and regional that can regulate on the submarine power cables that run from the windmills<sup>20</sup>. The project is currently under review in different committees. There is a mixed opinion in the political world with Mitt Romney, the Massachusetts governor, firmly opposed to the farm as well as his expected opposition in the next election Thomas Reilly, the attorney general.<sup>9</sup>

The federal government along with Cape Wind commissioned the Army Corps of Engineers to perform a study on the feasibility of the farm and to judge all its costs and dangers. The Corps released a 4000 page report in mid-December that detailed some of the specifics about the plan. The report is expected to be used to make decisions at most of the different levels of review with a decision possible by June 2005. There is a 60 day response period after which the Corps will make its final recommendation on the environmental impact and feasibility of the farm.<sup>10</sup>

The report touched on many different aspects of the farm including the potential damage to the environment and wildlife that lives and flies over Horseshoe Shoals. Past wind farms have has high bird kill such as Altamont in California which kills 1,500 rare bird of prey a year<sup>2</sup> and many are worried about the rare birds that might fly over



Horseshoe Shoals. The Corps came up with an estimate of 360 birds killed per year using worst-case on shore data<sup>10</sup> The Corps also determined that this would not have a significant effect on the bird population.

The report has been called biased by some groups, including the main opposition group, the Alliance to Protect Nantucket Sound. They cite the Corp's use of Cape Wind's data and allege that the Corps wrote the report in language very favorable to going forward with the project<sup>1</sup> (article on site). The allegations specifically state that the bird count numbers were skewed and that data that was collected was inconclusive and unreliable. The Corps responds that it skewed the data with the worst possible case in mind because there is such little real world data on bird kill in projects of this kind or magnitude.

If the plant is found to be harmful to aquatic life or birds, it will be faced with many federal mandates with which the plans must comply. Some of these are the Endangered Species Act, the Marine Mammal Protection Act and the Migratory Bird Treaty Act, among others<sup>1</sup>. So far there have been no reported violations of these acts but the main opposition group to the plant, the Alliance to Protect Nantucket Sound, is watching to confirm that none of these laws are being broken.

The farm itself, as planned will have 130 wind turbines each with the tip of the blade at its highest point being 417 feet above the surface of the ocean.<sup>20</sup> The plant is expected to produce 420 megawatts at maximum output and an average output of 170<sup>5</sup> and<sup>22</sup>. To compare, the typical production in a coal fired plant generally is between 125 and 1000 megawatts with most plants over 500 megawatts.<sup>6</sup> If the 170 megawatts were to be used on the Cape alone, as Cape Wind claims the production would cover 75% of

the Cape's energy needs<sup>11</sup>. It should be considered that 170 megawatts is only an average. It should also be noted that the amount of power produced increases proportional to the cube the speed so when the turbines are at their maximum they will produce considerably more than at a lower wind speed<sup>24</sup>. Wind can not be counted on as a permanent source of power as a fall in the wind can result in a drop in power supplied. Due to this any wind energy needs to be backed up by another source, coal, nuclear or natural gas. The backup plant would not always need to be operational so there would be a decline, in a coal plant for example, but the coal plant wouldn't necessarily be torn down.<sup>13</sup> Even so there would be a considerable drop in "dirty" power due to the construction of this plant.

This project is expected to cost between \$500 million and \$700 million,<sup>12</sup> but this would be offset by 28 million dollars in federal subsidies and 40 million dollars that would be given as green credit from the State of Massachusetts for producing power from "green" or renewable sources.<sup>14</sup> According to a Cape Wind representative the cost of the power will be 5 cents a kilowatt hour to produce<sup>3</sup>. Another study by the Beacon Hill institute calculated the total economic cost at 9.06 cents a kilowatt hour.<sup>7</sup> It should be noted that this study concluded that the project was not feasible and took into account subsidies and their effect on the economy. This is compared to a price of coal, with a direct cost of 2 cents a kilowatt hour<sup>19</sup> and an operating and capital cost of 4.2 cents excluding environmental concerns. There are potential long-run effects on the economy that also need to be taken into consideration. Horseshoe Shoals is within view of the Cape, Nantucket and Martha's Vineyard and the towers would be visible from their beaches. See pages 16 and 17 for a projected view of what the wind farm would look like

from the shore. If the towers are an eyesore, they would lower property values and decrease money from tourism. Also at night the towers are required to be lit so they would be visible from the shore at night as well as in the day. The windmills would be visible from Nantucket, Cape Cod and Martha's Vineyard and would be approximately equidistant from Cape Cod and Martha's Vineyard.<sup>20</sup> There are few hard numbers on the effect of property values, but a government study of 30 different wind farms found property values within sight of the windmills generally rose faster than surrounding areas. It is also interesting to note that in the study 5 miles was considered the furthest away that windmill would have any effect. To be fair, the study was only based on data from land-based wind farms and ocean based operations could be different.<sup>18</sup>

There are also some worries as to the effects of fishing and recreational sailing as well as navigation of larger boats. Some studies have found that the fishing will actually be improved by the wind turbines by providing additional habitats for certain fish such as Atlantic cod and black sea bass. With the relatively shallow water of the Shoal the spacing of .34 nautical miles by .54 nautical miles will be sufficient for any ship that needs to pass through.<sup>15</sup> The Shoals are not a major shipping lane so it would affect mostly smaller ships which would fit through easily. The real effect that should be considered is the aesthetic consideration of sailing through 417 foot tall windmills. The same change in landscape would affect recreational fishermen as well.<sup>1</sup> Due to the spacing and location of windmills the direct effects of the farm on shipping and recreational boating will be limited. There would be the indirect effect of the change in the aesthetic appeal of the ocean which could take away from a recreational experience.

This is an economic problem because of the tourism industry which offers boats around the proposed area that would drastically change if the farm was built.

This project faces many different challenges from local interest groups and the government, both federal and state. The challenges mostly stem from concerns over the environmental impact of the towers, especially in regard to wildlife, and the negative effects on property values and tourism. There are reports addressing the environmental impacts that find little effect but some of the reports, including the study by the Corps of Engineers, are being called into question. As a whole the economic effects of the project are difficult to quantify as they are based upon aesthetic qualities that are very subject to change. A closer look is needed to assess the direct externalities of this project.

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Analysis of the Externalities of the

Cape Wind Energy Project

Part 2



### Overview

This report addresses the types and severity of the externalities that would be created by the proposed Cape Wind Energy Project. These externalities are the effects on society and the environment that are not directly related to the private production and use of the energy created by the project. In other words, externalities are those effects that might not be conventionally considered by the energy company when it decides if it can

make a profit or society as a whole when *it* decides whether it could and should use some more energy. An interesting dilemma that externalities raise is that the positive, mostly private benefits of the project would accrue to a population of people different from that to which the negative externalities would accrue. The actual power produced does not mainly benefit those who must deal with the inconveniences of it. This will be discussed later in this part of the analysis.

The process of quantifiably calculating the externalities of the proposed project is extremely complex and requires equipment and expertise beyond the scope of the resources of this study. Therefore this analysis is really one addressing other analyses; it will weigh important considerations and pass judgment on the conclusions and analysis of the different parties involved. The Cape Wind Project is controversial, and, as with all controversial subjects, there are opposing factions that both feel they are right and are using the most correct reasoning to make their conclusions. The purpose of this analysis is to judge just how right each opposing side is in each respective issue and why.

In the debate over the Cape Wind Project, there are so far three central figures and sources of information that are playing a role in the sway public opinion, two of which are actively trying to accomplish an agenda. First there is Cape Wind itself, the company that will construct the wind farm in Nantucket Sound and sell the energy it produces. Cape Wind Associates includes Cape Wind's developer, Energy Management Incorporated, which has to date developed six natural gas fired electric generation projects.<sup>2</sup> Second there is the Alliance to Protect Nantucket Sound, running under the

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<sup>1</sup> The Alliance to Protect Nantucket Sound. "Save Our Sound" web page. The Alliance to Protect Nantucket Sound, 2004. < <http://www.saveoursound.org>>. December 13, 2004.

<sup>2</sup> eCape, Best Read Guide Cape Cod. "Cape Wind" web page. Cape Wind Associates, LLC, 2004. < <http://www.capewind.org>>. December 12, 2004.

slogan “Save Our Sound.”<sup>3</sup> This group is an advocacy group that is trying to stop Cape Wind’s development of Horseshoe Shoal in Nantucket Sound. These are the two groups with explicit particular interest in the wind project. The third major player of this analysis is the Army Corps of Engineers, and specifically relevant is its Environmental Impact Statement (EIS). Part of what the Army Corps of Engineers is responsible for is the maintenance of waterway infrastructure that relates to commerce, transportation, and protection from natural disasters. The Cape Wind Project falls under this responsibility and so the Army Corps of Engineers has been delegated the task of providing a comprehensive environmental review of the project in order to satisfy requirements defined in federal, state, and local acts.<sup>4</sup>

This analysis will report what these three sources have said about the two most crucial externalities involved:

- Noise
- Visual Amenity Impacts

It will also describe any inherent potential biases that may be present in statements made by one of the three groups. Finally, it will attempt to draw a conclusion based on the sum total of previous measurements and analysis.

### Potential Biases

#### Cape Wind

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<sup>3</sup> The Alliance to Protect Nantucket Sound. “Save Our Sound” web page. The Alliance to Protect Nantucket Sound, 2004. < <http://www.saveoursound.org>>. December 13, 2004.

<sup>4</sup> US Army Corps of Engineers. Cape Wind Energy Project Draft Environmental Impact Statement. US Army Corps of Engineers, 2004. < <http://www.nae.usace.army.mil/projects/ma/ccwf/deis.htm>> January 4, 2004.



The project concerned is Cape Wind's project, its entire interest is to see it approved as soon as possible. As a profit-maximizing business, society's best interest is not rationally aligned with Cape Wind's. For a hypothetical example, if Cape Wind can make an extra \$10 million by running cables between its windmills, thereby preventing nautical passage between them, it would probably do so despite the fact that it would hurt the fishing and transportation of society. Therefore its arguments for approval, for why the benefits of the project outweigh the costs, including external costs, will naturally be biased towards making negative externalities seem like less of a problem than they actually are. Any independent groups that Cape Wind hires in order to investigate the externalities of its project will be at risk of being swayed to favor their employer, which really wants a positive assessment.

#### Alliance to Protect Nantucket Sound

This group's name explicitly announces its bias: it will tend to downplay any benefits that could come out of the wind project because its number one priority is to keep the status quo in Nantucket Sound, which it feels, is better than having a wind farm. However, there could be a personal bias in the board members of the group that make this preference for status quo not necessarily in the public best interest. For example, many of the board members are local fishermen. If their assertion that the project will hurt the fishing industry holds true, they do stand to lose, despite gains in other areas, especially energy cost and clean energy production. There are also property developers and commercial businessmen who may fear that any change in the panoramic view of

Nantucket Sound could hurt business.<sup>5</sup> This group in a large part represents local interests, to preserve Nantucket Sound as it is and to prevent the intrusion of a large commercial company into public land. However in doing so, they may be acting under a strong not-in-my-backyard, or NIMBY, bias. They may be promoting a smaller and more specific interest, that of the Cape Cod area, over the interest of society of a whole. NIMBY bias is predictable here because the Cape Cod area is already an energy exporter.<sup>6</sup> Therefore, the energy produced from Nantucket Sound might not specifically and directly benefit the local area, but may create a spread benefit that helps all of society, by marginally lower prices, in a legitimately substantial way.

#### The Army Corps of Engineers

The Corps is actually designed to look after the good of the society as a whole. It has little to gain by either allowing or rejecting the plans for Cape Wind. In this state of general indifference, it would provide the best single source to rely upon for a correct analysis of the externalities of the project. Indeed, in its EIS it does a very thorough job of scientifically quantifying many externalities. However, the opposition has some problems with the Corps' involvement in the regulatory permitting process. The Corps' EIS came out in, what would generally be considered, favor of the wind project in that the environmental impacts, the externalities, would be very small according to its analysis. The Alliance to Protect Nantucket Sound argues though that the Corps itself in a 2001 memorandum stated that it "has very little experience permitting offshore wind

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<sup>5</sup> The Alliance to Protect Nantucket Sound. "Save Our Sound" web page. The Alliance to Protect Nantucket Sound, 2004. < <http://www.saveoursound.org>>. December 13, 2004.

<sup>6</sup> Ibid

farms.”<sup>7</sup> It also argues that Cape Wind was too involved with the review process that the Corps took, helping the Corps develop the scope of the project and the statement of need among other parts of the EIS.

This process in which the Army Corps of Engineers uses data and analysis provided by Cape Wind is standard procedure. However, given the potential bias that the Cape Wind has, it should be paramount that The Army Corps have a very skeptical eye in its review of data, and especially conclusions drawn from that data.

Indeed, the statement of need is one of the weakest parts of the EIS because it is written in an entirely supportive fashion rather than considering alternatives to satisfy the ambiguous need, like better energy efficiency.<sup>8</sup> The statement of need raises the specter of gas shortage and higher prices, the actual negativity of higher energy prices can be debated.

Still, despite the Alliance’s objections, the Army Corps of Engineers is the most dispassionate entity available that can take on such a massive research and analysis project like its EIS. It is arguable that no single decision-making group or person can be entirely dispassionate when dealing with a public issue like this. However, it is probably in the Corps’ best interest to be right about the superficial feasibility of the project because it will face a lot of criticism if the project that it reviewed and sanctioned fails publicly. As a public agency, the Army Corps of Engineers still has society to answer to if it does not do its job correctly.

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<sup>7</sup> eCape, Best Read Guide Cape Cod. “Cape Wind” web page. Cape Wind Associates, LLC, 2004. <<http://www.capewind.org>>. December 12, 2004.

## Noise

Cape Wind claims that due to new technology the wind turbine generators (WTGs) it will be installing will be exceptionally quiet.<sup>9</sup> The Alliance does not really give a good support for why the noise of the project will be detrimental. It does give a very incredible video of a pile being driven off the coast of Denmark with the accompanying noise.<sup>10</sup> Of course, this video is of no use whatsoever in trying to rationally gauge the impact of construction five miles off shore.

The Corps' EIS addresses the noise issue by claiming that the turbines won't be heard from shore. This is important because noise only becomes a serious negative externality when it can be heard in substantial decibel levels, according to a report by the European Commission on the externalities of energy.<sup>11</sup> In the study, Delabole, a town in the UK, was taken as a case study of the economic cost of noise. For most of the population, the noise increase due to the nearby wind farm, which is nearer to the population center at Delabole than the Cape Wind project would be to Cape Cod communities, was around 0.1 dB(A), implying a household cost of 5 pounds annually.<sup>12</sup>

The EIS also addressed noise issues during construction and underwater, impacting wildlife, and came to the same conclusion that impacts would be minimal. Given the depth of study and analysis done by the Army Corps of Engineers, as evidenced in its EIS, the conclusion that noise is not a major externality is well made.

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<sup>8</sup> US Army Corps of Engineers. Cape Wind Energy Project Draft Environmental Impact Statement. US Army Corps of Engineers, 2004. < <http://www.nae.usace.army.mil/projects/ma/ccwf/deis.htm> > January 4, 2004.

<sup>9</sup> eCape, Best Read Guide Cape Cod. "Cape Wind" web page. Cape Wind Associates, LLC, 2004. < <http://www.capewind.org> >. December 12, 2004.

<sup>10</sup> Ibid

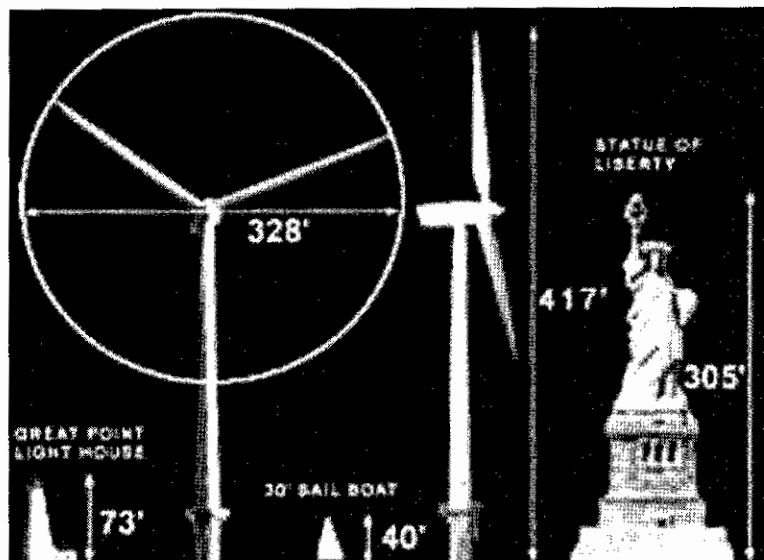
<sup>11</sup> European Commission. ExternE Externalities of Energy Vol. 6: Wind and Hydro. Brussels, Luxembourg: European Commission, 1995.

<sup>12</sup> Ibid

### Visual Amenity Impacts

The impact on visual amenity is one of the most controversial and hard-to-define externalities of wind power. Since the perception of visual impact is based primarily on personal taste rather than effect on economic well-being, it can be very difficult to quantify.<sup>13</sup>

The Alliance uses much quantitative data to support its claim that the visual impact of the wind farm will be significant. It states that the towers are taller than the Statue of Liberty and will have 520 flashing lights. Unfortunately it is unable to express in words exactly what kind of impact these characteristics will have. For example, even if the blades are similar to “rotating football fields” as the Alliance claims, they wouldn’t affect visual amenity at all if no one could see them.<sup>14</sup>



The question is how well residents will be able to see them and how much will it impact them. Cape Wind falls into the same kind of meaningless quantification when it

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<sup>13</sup> Ibid

describes the windmills' profiles as being "one half inch above the horizon."<sup>15</sup> The meaning of inches above the horizon is very ambiguous and the impacts even more so.

However, the Army Corps' analysis is not as significantly in depth here either as it is for so many other issues. It notes that the visual amenity for both recreational boaters and people onshore will change, but it does not attempt to explain whether this will be a good or bad change or how it will affect local communities economically, especially with regards to tourism.<sup>16</sup> The Army Corps has created pictures that project what certain views of the windmills might be like and has described its methodology for creating those images. Still, whether the change in vista is acceptable or not is highly subjective and projected pictures of the project are used by both Cape Wind and its opposition as support.

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<sup>14</sup> The Alliance to Protect Nantucket Sound. "Save Our Sound" web page. The Alliance to Protect Nantucket Sound, 2004. < <http://www.saveoursound.org>>. December 13, 2004.

<sup>15</sup> eCape, Best Read Guide Cape Cod. "Cape Wind" web page. Cape Wind Associates, LLC, 2004. < <http://www.capewind.org>>. December 12, 2004.

<sup>16</sup> US Army Corps of Engineers. Cape Wind Energy Project Draft Environmental Impact Statement. US Army Corps of Engineers, 2004. < <http://www.nae.usace.army.mil/projects/ma/ccwf/deis.htm>> January 4, 2004.

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A picture of the projected view of the windmills on Cape Wind's website



A picture of the projected view of the windmills on the Save Our Sound website

The ExternE study does cite some guidelines in analyzing the visual impact of wind farms, though they are hard to quantify and highly uncertain. The take home advice that ExternE gives is to recognize that wind farms built in areas of national scenic importance or high recreational use would have high visual amenity costs.<sup>17</sup> In any other position the farms visual impact would be a negligible part of its total cost.

In a study of two towns in the UK, Cornwall and Powys, ExternE quantified the cost due to visual amenity impact per kWh as 1.9 and 0.09 mECU respectively.<sup>18</sup> The twenty fold greater cost to Cornwall is due to a much higher tourist density in Cornwall

<sup>17</sup> European Commission. ExternE Externalities of Energy Vol. 6: Wind and Hydro. Brussels, Luxembourg: European Commission, 1995.

<sup>18</sup> Ibid



than in Powys. Some tourists come to Cornwall for certain scenery and are some what put off by the wind farm they see. However other tourists come to Cornwall just to see the wind farm, 50,000 between 1992 and 1999 according to Cape Wind.<sup>19</sup> Tourism is the major factor to consider when weighing the visual impact of the Cape Wind Project. Both the Alliance to Protect Nantucket Sound and Cape Wind argue their cases, saying that tourism will fall or rise due to the turbines in the sound. As in the example of Cornwall, one must ask whether the number of tourists that come to see the windmills, will fully offset the number of people who don't come because of them.

The EIS does not address this issue well. It stresses the importance of Nantucket Sound as a recreational and tourism area, bringing six million tourists and one billion dollars to the Cape each year, 44% of its economic base.<sup>20</sup> However it makes no estimate of the impact of the wind on tourism farm in quantitative *or* qualitative terms. There is also no screening mitigation that the EIS can recommend in order to reduce the visual impact.

Visual amenity is the major issue that must be analyzed in order to get a sense of the overall external impact of the project. The Army Corps of Engineers offers no clear analysis. The Alliance sites the Beacon Hill Institute's An Economic Analysis of a Wind Farm in Nantucket Sound, of May 2002, which states that the project will cause overall

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<sup>19</sup> eCape, Best Read Guide Cape Cod. "Cape Wind" web page. Cape Wind Associates, LLC, 2004. < <http://www.capewind.org>>. December 12, 2004.

<sup>20</sup> US Army Corps of Engineers. Cape Wind Energy Project Draft Environmental Impact Statement. US Army Corps of Engineers, 2004. < <http://www.nae.usace.army.mil/projects/ma/ccwf/deis.htm>> January 4, 2004.

economic loss and private profit.<sup>21</sup> Cape Wind states that there have been “no documented cases of wind farms harming local tourism, anywhere in the world.”<sup>22</sup>

Balancing the arguments, the visual amenity impact is not going to be crucial enough to make the project infeasible. Only 8 towns’ beaches will be within view of the turbines.<sup>23</sup> No sound from the turbines will be heard to affect tourism, except maybe on recreational boats in the sound. Even if Cape Wind’s hint that there is no tourism loss due to wind farms is extreme, there is no reason to believe that the project will devastate either property values or tourism. The project will substantially change the vistas from certain coastal towns; however this change is not in the long run unacceptable. Large groups of people naturally will resist change, especially on matters of taste and aesthetics. However, over time, the population will become accustomed to the new view and the visual amenity impact of the wind farm will be reduced even further.

#### Other Externalities

Other considerations, such as impact on birds and marine wildlife, fishing industry, and underwater sites of historical value are not of as great importance in either this case or in previous cases. The EIS does a very thorough job of explaining why the project will be very low impact in these areas and advises many precautions, such as marine wreck avoidance and underwater decibel level testing during construction.<sup>24</sup>

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<sup>21</sup> The Alliance to Protect Nantucket Sound. “Save Our Sound” web page. The Alliance to Protect Nantucket Sound, 2004. < <http://www.saveoursound.org>>. December 13, 2004.

<sup>22</sup> eCape, Best Read Guide Cape Cod. “Cape Wind” web page. Cape Wind Associates, LLC, 2004. < <http://www.capewind.org>>. December 12, 2004.

<sup>23</sup> European Commission. ExternE Externalities of Energy Vol. 6: Wind and Hydro. Brussels, Luxembourg: European Commission, 1995.

<sup>24</sup> US Army Corps of Engineers. Cape Wind Energy Project Draft Environmental Impact Statement. US Army Corps of Engineers, 2004. < <http://www.nae.usace.army.mil/projects/ma/ccwf/deis.htm>> January 4, 2004.

Gains to the Gainers and Losses to the Losers

The benefit that this proposed wind project would bring comes mainly in the form of more energy at the disposal of the New England region. This energy will drive prices down and help to displace energy created by more externally detrimental energy sources, such as the “filthy five,” the five dirtiest power plants of Massachusetts. Unfortunately, not all of New England will have to deal with the externalities previously described. Tourists and especially residents in the Cape area will experience the noise and visual impacts of the wind turbines while only receiving a small fraction of the benefits those turbines create for society as a whole. In the classical language of economics, the gains to the gainers outweigh the losses to the losers, however the specific gains to the losers do not outweigh their losses. Economic justice might require that the local residents of the Cape Area be compensated for the external costs of the proposed wind project.

One possible method of achieving this is to redistribute some of the gains, from which society as a whole benefits, to residents and commercial interests affected by the proximity of the project. To do this, a small tax could be levied on those consumers of electricity that will benefit from the lower prices and lower externalities of Cape Wind. The revenue from this tax could be redistributed to Cape Area residents and businesses in some form that takes into account calculated relative losses. This tax would follow the standard of good tax policy: a small tax on a very broad tax base. This would minimize the necessary dead weight loss.

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### Conclusion

The negative externalities of the proposed Cape Wind power project are small. Cape Wind will not be heard by very many people, and certainly not those on shore. It will be seen, but at great distance, unlike other wind projects built much nearer to population centers, and this impact will diminish over time as tastes change.

Based on this analysis of the externalities of Cape Wind, the project is fully recommended. It is the first of its kind in the United States and the results it brings can be used in the future to judge projects with greater certainty and in better context.

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Analysis of Alternative  
Power Sources  
Part 3

Over the next few years, there will certainly be a greater demand for electricity production in Massachusetts, as well as the entire country<sup>20 (part one)</sup>. We also have examined the externalities of wind power. Now the question falls on whether wind power generators are the best option that Massachusetts has. Alternatives *to* wind include the conventional power-production methods in our society. “At the moment Cape Cod gets its power from an oil-fired plant, a coal-fired plant and a nuclear reactor.”<sup>1</sup> Oil-fired plants suffer from the variability of oil prices. Natural gas and oil power plants are simply not as economical as coal plants have proven to be. “Ontario electricity consumers will have to pay between \$900 million and \$1.2 billion [Canadian currency] more a year if the province's coal-fired electricity plants are closed down and replaced by new natural gas-powered plants, says a study by Dominion Bond Rating Service.”<sup>2</sup> Coal-fired and nuclear power plants have consistently proved to be cheaper other fossil fuels at producing electricity in the long term, so these are the two other options we will explore in addition to wind.

### Coal for Power

Almost across the world, electricity is easier to produce using coal-fired plants than any other technology. Unfortunately, burning coal can have serious negative impacts on the environment. Burning coal releases sulfur dioxide which causes an increase in acidity in rain and waterways and can destroy sea life and soil. Impurities in coal include alkali earth metals, arsenic, cadmium, and mercury, as well as other toxic elements. Additionally, perhaps the largest problem with coal-powered plants is their release of carbon dioxide. There are some methods being developed for efficient storage of CO<sub>2</sub>, however practical use of carbon sequestration technology remains a goal to be achieved

in the future, if ever. Whatever its effects, it will certainly increase the cost of generating electricity from coal. For now, coal remains the most important agent in global warming concerns. Recent coal-fire plant designs have become far more efficient at collecting the pollution created from the burning of coal, but even these plants are not fully effective at removing CO<sub>2</sub>. Integrated Gasification Combined Cycle (IGCC) coal plants are the most technologically advanced coal plants available and since they are more efficient they produce less CO<sub>2</sub> for kWh produced. There are only two of these plants in the United States.<sup>4</sup> Even assuming a new plant in Massachusetts would be of this design, the problem of pollution is not eliminated. In these plants, between .03 lb/MMBtu and .17 lb/MMBtu of SO<sub>2</sub> finds its way into the atmosphere. With regards to oxides of nitrogen, an agent that causes ground level ozone-related difficulties, .076 lb/MMBtu is allowed to escape. As much as 5-10% of the Mercury found in coal is not trapped, even in IGCC plants. Drastic improvements have been made in order that coal-fire plants release this limited number of pollutants, but the environment continues to suffer from even a decreased amount of pollution. It is also important to remember that the solid waste that burning coal creates is immense when compared to any other form of producing electricity. About 19 million tons of the nearly 90 million tons of the coal combustion byproducts generated annually in the U.S. can be beneficially used. The remaining 71 million tons are leftover for landfills and impoundments.<sup>5</sup> Vast tracks of land can be destroyed for coal disposal, and the runoff from these sites causes additional damage to the environment.

Another important consideration of producing electricity from coal is created by how that coal is obtained. "In coal production, mining creates environmental problems.

Strip mines must be reclaimed. There is acid runoff from coal mining sites.”<sup>6</sup> Regardless of how clean coal power plants are made, the waste disposal and the mining of coal can have devastating impacts on the local environment.

The greatest modern difficulty associated with coal-fire power plants is the creation of vast amounts of greenhouse gases. Greenhouse gases are gases that trap infrared radiation reflected from the Earth before it can escape to space. This affects world climates and increases temperature across the globe. Global warming is responsible for increased sea levels over the last century and this trend is expected to continue. Carbon dioxide is recognized as the worst man-made greenhouse gas contributor to global warming. The carbon content of coal is much higher than all other fossil fuels. As a result of the high carbon content in coal, it releases an incredible amount of CO<sub>2</sub> when burned. According to results gathered from Cape Wind Associates, 1,512,846 tons of CO<sub>2</sub> per year would be produced by a coal-fired power plant of the same size as the wind plant planned in Nantucket Sound.<sup>7</sup> This number would likely be lower for an IGCC power facility and is small when compared to the total American output of CO<sub>2</sub> (the average American releases about 20 tons of carbon into the atmosphere every year, for a total of roughly 6 billion tons of carbon).<sup>8</sup> Even though the amount of carbon removed will be relatively small, no potential reduction in CO<sub>2</sub> production can be outright rejected. The area around Cape Cod is specifically at risk to rising sea levels due to global warming and the region should therefore be particularly focused on finding carbon-free technology for power generation. Similar to many coastal developments, the Cape is predominantly low-elevation and a few inches in increased sea levels will have devastating impacts through erosion and destroyed property.



Coal is an easily available resource in the United States and will continue to be a very important part of this country's energy policy. "There are about 21.8 billion tons of minable bituminous coal reserves in Pennsylvania or just over 6 percent of the U.S. total."<sup>9</sup> As a result of its availability and reasonably low capital costs, coal-fired power plants must be a consideration wherever electricity is needed. A new 91 MW IGCC power plant (roughly a quarter the size of the proposed Cape Wind project) planned for central Illinois will cost only \$137 million and consume no more than 400,000 tons of coal every year.<sup>10</sup> Nevertheless, this plant will pollute at a moderate rate and has no carbon sequestration technology built in to marginalize the impact of greenhouse gases.

#### Nuclear Energy

"Keeping the nation's 103 nuclear power plants safely operating an additional 20 years can have a tremendous socio-economic and environmental impact on the nation," mentioned project manager and nuclear engineer Yung Liu. Each nuclear power plant also prevents 1.2 million metric tons of carbon-equivalent greenhouse gases from being dumped into the environment each year.<sup>11</sup> Nuclear power is widely supported as a rational alternative to energy derived from fossil fuels. Nuclear power does not directly produce any of the pollution or greenhouse gases commonly associated with coal-fire generators. Moreover, a greater amount of radioactive material is released from burning coal than escapes from Nuclear power plants as a result of radioactive isotopes found in coal.<sup>18</sup> "The disadvantages [of nuclear power] are great, however. We haven't yet figured out how to dispose of nuclear waste, or how to deal with sealing up old power plants that are no longer productive. There are great dangers associated with nuclear power

production, since a by-product of the process, plutonium, can be used to make nuclear weapons.”<sup>6</sup>

Roughly 20% of the power produced in the United States is harnessed from nuclear power, but there have been no new plant openings in more than a decade. The easiest explanation for this circumstance is socio-political. “By nature, energy projects are controversial, and sometimes people don't want to live near them.”<sup>12</sup> Nuclear power plants are especially subject to this kind of mentality due to the fear of a low-probability, but catastrophic failure in the reactor vessel. This problem became increasingly clear during the construction of the most recent plants, such as the reactor at Seabrook, NH. Public distaste in the project left it mired in political purgatory long enough to drain hundreds of millions of dollars in interest. Only one of the two planned reactor vessels was every finished. The half-shell of the second reactor vessel was left standing. As long as there is significant public resistance to nuclear power, this is not an economically viable option to replace fossil fuel based generators.

Nuclear power also has many advatages. One of the greatest advantages of nuclear energy is its sustainability. Bernard Cohen estimated in a 1983 article that efficient fission of Uranium using Breeder Reactors could give us enough energy potential to produce electricity almost until the sun burns itself out.<sup>13</sup> This is certainly an optimistic estimate, but fission reactors with advanced technology could definitely be employed for many thousands of years. Of course, sustainability affects nuclear power in a negative way as well, in the form of long-term waste problems. “This [nuclear] waste is being stored at the nuclear plants where it is produced, most commonly in a large steel-lined pool. As these pools fill up, the waste material is stored in large steel and concrete

casks. In addition to the spent fuel, the plants themselves contain radioactive waste that must be disposed of after they are shut down.”<sup>7</sup> Altogether, for each pound of uranium, more than 200 pounds of waste are created.<sup>14</sup> The majority of this material is produced in the mining and the purification of the uranium, the most dangerous waste is that which comes out of the reactor. For all intensive purposes, the weight of the waste that comes out of the reactor is equal to that of the Uranium that goes in. Roughly 1.25 kg of  $U^{235}$  (author’s calculation) would be necessary to run a 420 MW light water reactor power plant from day to day. Consequently, a little more than one kilogram of radioactive waste would be produced daily by a nuclear power plant of the same size as that planned by Cape Wind. Nearly 460 kg would be produced by such a plant every year. This figure seems negligible when compared to the 4200 tons of coal waste pumped out every day from a similarly sized coal-fired plant. It is also interesting to note that the radioactive waste created through fission is negligible compared to the mass of the containers it is stored in.<sup>15</sup> Even so, from the beginning of the fuel processing stage to the final stage of the nuclear reactor waste byproducts including toxic heavy metals and the plutonium used in nuclear weapons are created. All of these substances must be dealt with very carefully.

The nature of nuclear waste makes it imperative that this waste is closely guarded. Nuclear waste in the hands of a terrorist could be used to make a dirty bomb, or even help produce a nuclear attack. As nuclear power plants begin to run out of their licenses in the beginning of this century, it may make more sense to consolidate the waste produced at a depository, such as Yucca Mountain. Consolidation of nuclear waste is in itself dangerous, however, because it can mean the transportation of large amounts of toxic and

radioactive waste and an increased risk of an accident. Perhaps the most serious issue with nuclear power plants in the status quo is that there are no permanent plans as to where the waste will go in the long run. Huge, 2-4 million L storage tanks in Hanford, Washington have been used for years to store waste created by various nuclear processes, most of which was military. "The Energy Department estimates that more than one million gallons of radioactive waste have already leaked out of the tanks. The big concern now is where that waste is headed. The tanks are located in the middle of the 560-square mile Hanford site. They're grouped into two areas, the closest about seven miles east of the Columbia River. The Columbia is a source of drinking water for more than 120,000 residents of three nearby cities."<sup>16</sup> Until a serious policy can be made that effectively deals with all of the waste being produced at nuclear plants; it remains too difficult to gauge the risk of a spill. Additionally, there is an obligation to explore alternatives to a power source lacking a universal plan for waste disposal.

Several pertinent points must be made regarding the chance of a "low probability, high impact" scenario, such as the accident in Chernobyl. The United States has dealt more effectively with potential catastrophes than the former Soviet Union and they have remained no more than potential catastrophes. All the same, the notion of a catastrophic meltdown in a nuclear power plant far outstrips any risk to humans that off-shore windmills may raise. Advanced safety procedures in today's nuclear plants limit the probability of a catastrophe to near zero for foreseeable accidents, but other possibilities are not eliminated. While it is unlikely that a terrorist working on the outside could cause serious harm to a nuclear power facility; an employee of that facility could potentially create more serious problems. Tens of thousands of people were affected in Bhopal, India

when a chemical plant was allegedly sabotaged by a disgruntled worker. These considerations are not necessary for the construction of wind turbines simply because wind power generation cannot physically create catastrophe scenarios in the way nuclear power can.

Wind power does not need to, and can not replace nuclear and coal power entirely, but the above finding offer ample reason to produce electricity by means of the wind when it can be produced efficiently. Wind power in Nantucket Sound offers fantastic placement for a zero pollution, zero greenhouse gas emitting plant. The effect of establishing the first off-shore wind farm in the country will not just, however. Offshore wind power generation is not used anywhere in the country. It will most likely remain that way until a bold move is made. Similar actions to block offshore wind are being used in New Jersey,<sup>17</sup> with many people making related claims about the negative impact an offshore wind farm will have on tourism. This process is likely to continue until an offshore wind farm is established, and there may be no better place for it than off Cape Cod.

Although local concerns are legitimate our findings are that the positive impacts are great and their effects are proven. Cape Wind, by producing renewable energy, will reduce pollution a considerable amount and it could increase the possibility of other wind farms. Local concerns over the economy seem to be difficult to prove and have not been found at other wind farm sites. Finally, direct environmental impact on wildlife and the environment is probably negligible. The worry stems from older wind farms that were very dangerous to birds, but new technology is much safer. Given that this project is very

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unlikely to be catastrophic it is important that this precedent of clean and renewable energy be made. The report supports the development of the Cape Wind project.

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## *Further Concerns*

- Is the Army Corps of Engineers the right group to decide whether wind energy should be subsidized and/or chosen over other forms of electricity generation?
- Is there any other manner of obtaining bird-kill data before the turbines are actually built? Would there be any valuable data available from off-shore oil rigs with wind turbines?
- How will residence and commercial interests negatively impacted by the project be compensated?

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